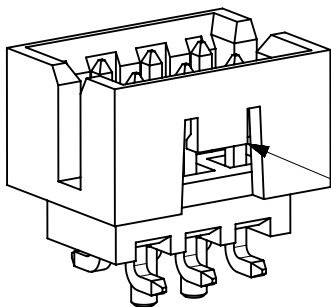
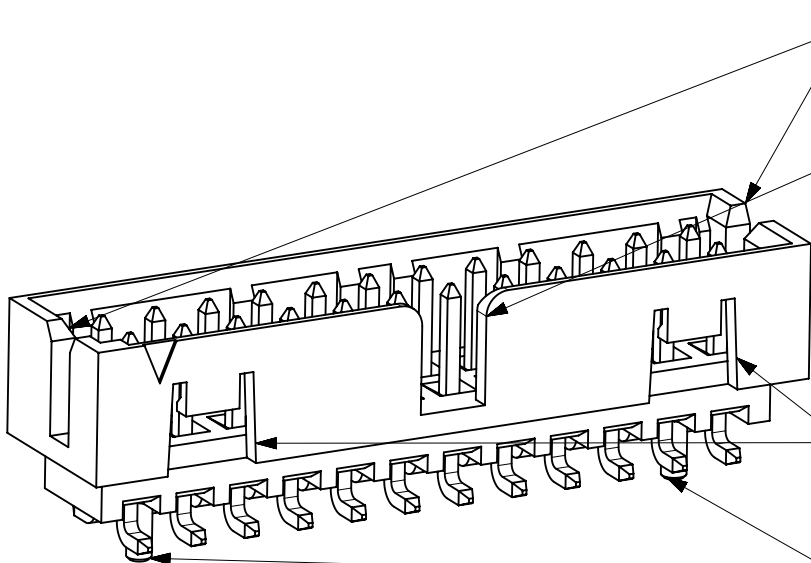


FEATURES SELECTION GUIDE



2 CENTER LOCK



3 DUAL SIDE SLOTS

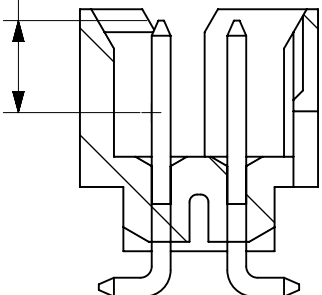
4 CENTER POLARIZATION

1 DUAL LOCKS

5 PEGS

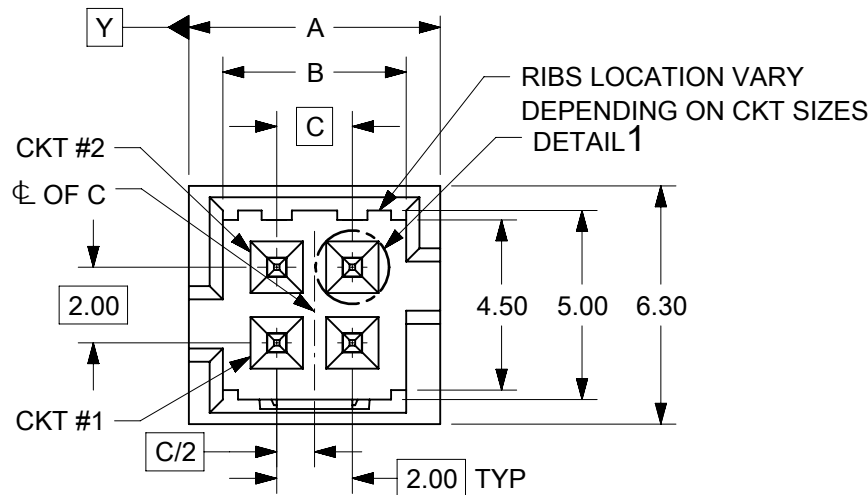
PLATING MEASUREMENT

POINT  
2.50

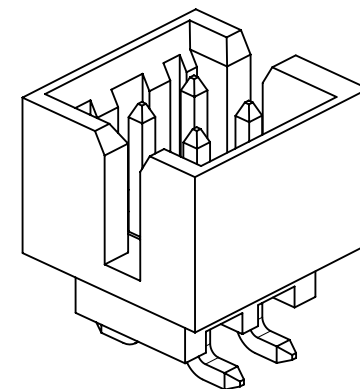
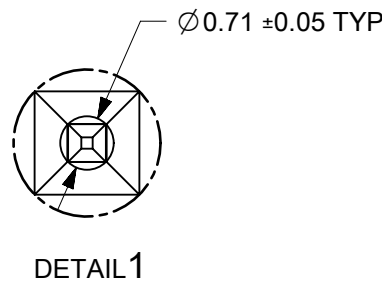


| CIRCUIT<br>SIZE | FEATURES       |          |                    |                        |      | SHEET<br>NO |
|-----------------|----------------|----------|--------------------|------------------------|------|-------------|
|                 | FRICTION LOCKS |          | DUAL<br>SIDE SLOTS | CENTER<br>POLARIZATION | PEGS |             |
|                 | ① DUAL         | ② CENTER |                    |                        |      |             |
| 4               | N.A            | N.A      | YES                | N.A                    | N.A  | 2 - 3       |
|                 | N.A            | YES      | YES                | N.A                    | N.A  |             |
| 6               | N.A            | N.A      | YES                | N.A                    | N.A  | 4 - 5       |
|                 | N.A            | N.A      | YES                | N.A                    | YES  |             |
|                 | N.A            | N.A      | YES                | YES                    | N.A  |             |
|                 | N.A            | YES      | YES                | N.A                    | N.A  |             |
|                 | N.A            | YES      | YES                | N.A                    | YES  |             |
| 8 TO 12         | N.A            | N.A      | YES                | YES                    | YES  | 6 - 7       |
|                 | N.A            | N.A      | YES                | YES                    | N.A  |             |
|                 | N.A            | YES      | YES                | N.A                    | N.A  |             |
|                 | N.A            | YES      | YES                | N.A                    | YES  |             |
| 14 TO 50        | YES            | N.A      | YES                | YES                    | N.A  | 8 - 11      |
|                 | YES            | N.A      | YES                | YES                    | YES  |             |

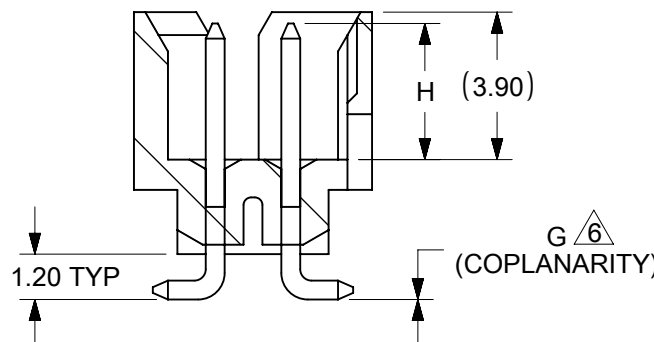
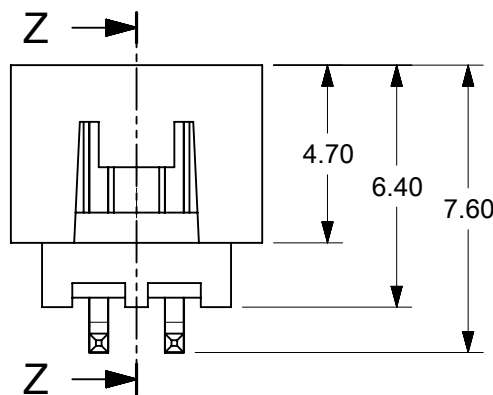
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|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------|-------|------|-----------------|--|------------------------|--|------------------------------------------------------------------------------------|-----------------|-----------|--|----------|----------------|--------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                        |                                                            |       |      |                 |  |                        |  |                                                                                    |                 |           |  |          |                |              |  |
| EC NO: 693462<br>DRWN: DANUSA<br>CHK'D: DANUSA<br>REV / APPR: MIRAMAKRISHNA                                                                   | 2021/12/24<br>2022/01/26<br>2022/01/27 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       |      | DIMENSION UNITS |  | SCALE                  |  | <div>molex®</div> <div>MILLIGRID<br/>2MM PITCH, SMT VERTICAL SHROUDED HEADER</div> |                 |           |  |          |                |              |  |
|                                                                                                                                               |                                        |                                                            | MM    | INCH | DRWN BY         |  | DATE                   |  |                                                                                    |                 |           |  |          |                |              |  |
|                                                                                                                                               |                                        | 4 PLACES                                                   | ±     | ±    | GMENARLY        |  | 2015/05/22             |  |                                                                                    |                 |           |  |          |                |              |  |
|                                                                                                                                               |                                        | 3 PLACES                                                   | ±     | ±    | CHK'D BY        |  | DATE                   |  |                                                                                    |                 |           |  |          |                |              |  |
|                                                                                                                                               |                                        | 2 PLACES                                                   | ± 0.2 | ±    | CGOH            |  | 2015/09/21             |  | PRODUCT CUSTOMER DRAWING                                                           |                 |           |  |          |                |              |  |
|                                                                                                                                               |                                        | 1 PLACES                                                   | ±     | ±    | APPR BY         |  | DATE                   |  |                                                                                    |                 |           |  |          |                |              |  |
|                                                                                                                                               |                                        | 0 PLACES                                                   | ±     | ±    | KHLIM           |  | 2015/09/22             |  | SERIES                                                                             | MATERIAL NUMBER |           |  | CUSTOMER |                |              |  |
|                                                                                                                                               |                                        | ANGULAR TOL ± 3.0                                          |       |      | DRAWING SIZE    |  | THIRD ANGLE PROJECTION |  |                                                                                    | 87832           | SEE TABLE |  |          | GENERAL MARKET |              |  |
|                                                                                                                                               |                                        | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       |      | A3              |  |                        |  |                                                                                    | DOCUMENT NUMBER |           |  | DOC TYPE | DOC PART       | SHEET NUMBER |  |
|                                                                                                                                               |                                        |                                                            |       |      |                 |  |                        |  |                                                                                    | SD-87832-0001   |           |  | PSD      | 001            | 1 OF 13      |  |



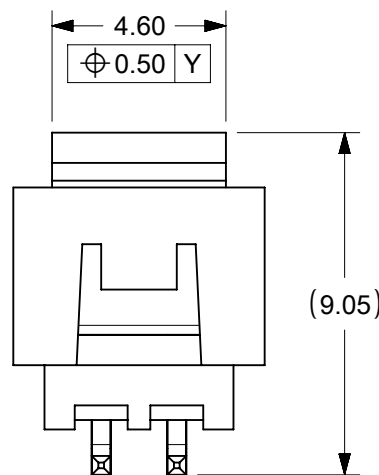
4 CIRCUITS



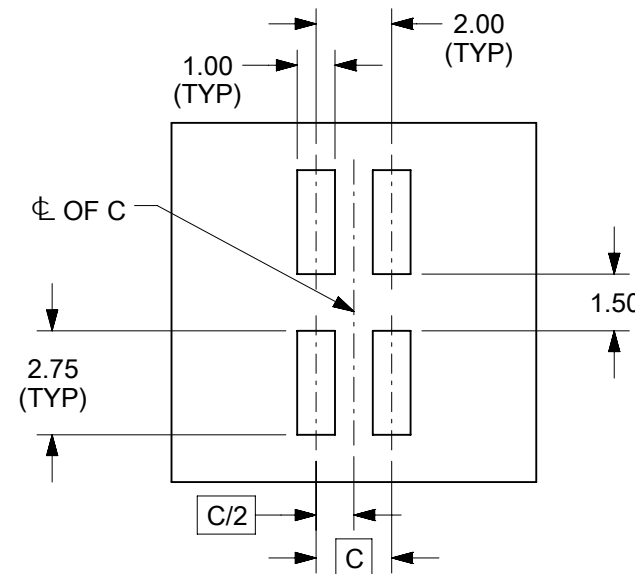
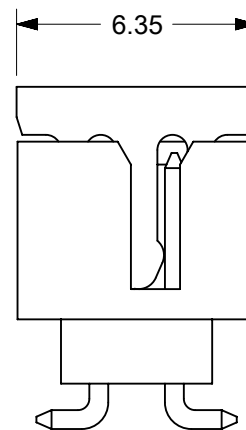
ISO VIEW OF HEADER  
WITH ONLY DUAL SLOTS



SECTION Z-Z



VIEW FOR HEADER WITH CAP

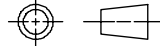


RECOMMENDED PCB LAYOUT

NOTES:

1. MATERIALS:  
HOUSING & CAP: 30% GF, NYLON, UL94V-0, COLOR: BLACK  
PIN: 0.50mm SQ. PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 12
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES  
AND CRIMP TERMINAL: 50394 SERIES  
B. MOLEX 2mm MILLIGRID DUAL ROW IDT: 87568 SERIES  
C. MOLEX 2mm MILLIGRID DUAL ROW RECEPTACLE:  
79107 (GOLD PLATED), 78787 (TIN PLATED)

6. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE
7. BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY
8. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE

| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                        |                                                            |       |      |                 |                 |                        |    |                                                      |                                                                                       |  |           |  |                 |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------|-------|------|-----------------|-----------------|------------------------|----|------------------------------------------------------|---------------------------------------------------------------------------------------|--|-----------|--|-----------------|--|
| EC NO: 693462<br>DRWN: DANUSA<br>CHK'D: DANUSA<br>REV APPR: MIRAMAKRISHNA                                                                     | 2021/12/24<br>2022/01/26<br>2022/01/27 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       |      | DIMENSION UNITS |                 | SCALE                  |    | <b>molex®</b>                                        |                                                                                       |  |           |  |                 |  |
|                                                                                                                                               |                                        |                                                            | MM    | INCH | MM              |                 | NTS                    |    |                                                      |                                                                                       |  |           |  |                 |  |
|                                                                                                                                               |                                        | 4 PLACES                                                   | ±     | ±    | DRWN BY         |                 | DATE                   |    | MILLIGRID<br>2MM PITCH, SMT VERTICAL SHROUDED HEADER |                                                                                       |  |           |  |                 |  |
|                                                                                                                                               |                                        | 3 PLACES                                                   | ±     | ±    | GMENARLY        |                 | 2015/05/22             |    |                                                      |                                                                                       |  |           |  |                 |  |
|                                                                                                                                               |                                        | 2 PLACES                                                   | ± 0.2 | ±    | CHK'D BY        |                 | DATE                   |    |                                                      |                                                                                       |  |           |  |                 |  |
|                                                                                                                                               |                                        | 1 PLACES                                                   | ±     | ±    | CGOH            |                 | 2015/09/21             |    |                                                      |                                                                                       |  |           |  |                 |  |
|                                                                                                                                               |                                        | 0 PLACES                                                   | ±     | ±    | APPR BY         |                 | DATE                   |    |                                                      |                                                                                       |  |           |  |                 |  |
|                                                                                                                                               |                                        | ANGULAR TOL ± 3.0                                          |       |      | KHLIM           |                 | 2015/09/22             |    | PRODUCT CUSTOMER DRAWING                             |                                                                                       |  |           |  |                 |  |
|                                                                                                                                               |                                        | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       |      | DRAWING SIZE    |                 | THIRD ANGLE PROJECTION |    |                                                      |                                                                                       |  |           |  |                 |  |
|                                                                                                                                               |                                        | A19                                                        |       | REV  |                 |                 |                        | A3 |                                                      |  |  | SERIES    |  | MATERIAL NUMBER |  |
|                                                                                                                                               |                                        |                                                            |       |      |                 |                 |                        |    |                                                      | 87832                                                                                 |  | SEE TABLE |  | GENERAL MARKET  |  |
|                                                                                                                                               |                                        |                                                            |       |      |                 | DOCUMENT NUMBER |                        |    |                                                      | DOC TYPE                                                                              |  | DOC PART  |  | SHEET NUMBER    |  |
|                                                                                                                                               |                                        |                                                            |       |      |                 | SD-87832-0001   |                        |    |                                                      | PSD                                                                                   |  | 001       |  | 2 OF 13         |  |

|             |                                    |                                 |                                |                                     |                    |                |        |                       |                        |      |           |      |      |     |     |      |               |           |
|-------------|------------------------------------|---------------------------------|--------------------------------|-------------------------------------|--------------------|----------------|--------|-----------------------|------------------------|------|-----------|------|------|-----|-----|------|---------------|-----------|
| 9           |                                    | 8                               |                                | 7                                   |                    | 6              |        | 5                     |                        | 4    |           | 3    |      | 2   |     | 1    |               |           |
| 4 CIRCUITS  |                                    |                                 |                                |                                     |                    |                |        |                       |                        |      |           |      |      |     |     |      |               |           |
| CKT<br>SIZE | ASSY P/N<br>WITHOUT CAP<br>IN TUBE | ASSY P/N<br>WITH CAP<br>IN TUBE | ASSY P/N<br>WITH CAP<br>IN T&R | T&R<br>OPTIONS<br>(SEE<br>SHEET 12) | PLATING<br>OPTIONS | FRICTION LOCKS |        | DUAL<br>SIDE<br>SLOTS | CENTER<br>POLARIZATION | PEGS | DIMENSION |      |      |     |     |      |               |           |
|             |                                    |                                 |                                |                                     |                    | DUAL           | CENTER |                       |                        |      | A         | B    | C    | D   | E   | F    | G<br>(COPLAN) | H         |
| 4           | 87832-0460                         | 87832-0462                      | 87832-5162                     | 1                                   | 1                  | N.A            | N.A    | YES                   | N.A                    | N.A  | 6.65      | 4.85 | 2.00 | N.A | N.A | 5.00 | 0.10          | 3.60±0.20 |
|             | 87832-0420                         | 87832-0422                      | 87832-5122                     | 1                                   | 2                  |                |        |                       |                        |      |           |      |      |     |     |      |               |           |
|             | 87832-0421                         | 87832-0423                      | 87832-5123                     | 1                                   | 3                  |                |        |                       |                        |      |           |      |      |     |     |      |               |           |
|             | 87832-0470                         | 87832-0472                      | 87832-5172                     | 1                                   | 4                  |                |        |                       |                        |      |           |      |      |     |     |      |               |           |
|             | 87832-0410                         | 87832-0408                      | 87832-0406                     | 1                                   | 2                  | N.A            | YES    | YES                   | N.A                    | N.A  |           |      |      |     |     |      | 0.10          |           |
|             |                                    |                                 | 87832-5106                     | 2                                   | 2                  |                |        |                       |                        |      |           |      |      |     |     |      |               |           |
|             | 87832-0411                         | 87832-0409                      | 87832-0407                     | 1                                   | 3                  |                |        |                       |                        |      |           |      |      |     |     |      | 0.10          |           |
| 87832-0404  | N.A                                | N.A                             | N.A                            | 2                                   | 0.10               |                |        |                       |                        |      |           |      |      |     |     |      |               |           |

PLATING OPTIONS:

1 - 0.05-0.13µm/2-5µin GOLD IN CONTACT AREA AND  
1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER  
1.27µm/50µin MIN. NICKEL OVERALL.

2 - 0.38µm/15µin MIN. GOLD IN CONTACT AREA AND  
1.88um/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER  
1.27µm/50µin MIN. NICKEL OVERALL.

3 - 0.76µm/30µin MIN. GOLD IN CONTACT AREA AND  
1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER  
1.27µm/50µin MIN. NICKEL OVERALL.

4 - 2.50µm/100µin MIN. MATTE TIN OVER 1.25µm/50µin MIN. NICKEL OVERALL.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

EC NO: 693462

DRWN: DANUSA

CHK'D: DANUSA

REV APPR: MIRAMAKRISHNA

2021/12/24

2022/01/26

2022/01/27

GENERAL TOLERANCES  
(UNLESS SPECIFIED)

MM

INCH

4 PLACES

±

±

3 PLACES

±

±

2 PLACES

±

0.2

±

1 PLACES

±

±

0 PLACES

±

±

ANGULAR TOL ± 3.0

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION UNITS

MM

SCALE

NTS

DRWN BY

DATE

2015/05/22

CHK'D BY

DATE

2015/09/21

APPR BY

DATE

2015/09/22

DRAWING SIZE

A3

THIRD ANGLE PROJECTION

molex®

MILLIGRID

2MM PITCH, SMT VERTICAL SHROUDED HEADER

PRODUCT CUSTOMER DRAWING

SERIES

87832

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

DOCUMENT NUMBER

SD-87832-0001

DOC TYPE

PSD

DOC PART

001

SHEET NUMBER

3 OF 13

RELEASE STATUS

P1

RELEASE DATE

2022/01/27

04:45:23

9

8

7

6

5

4

3

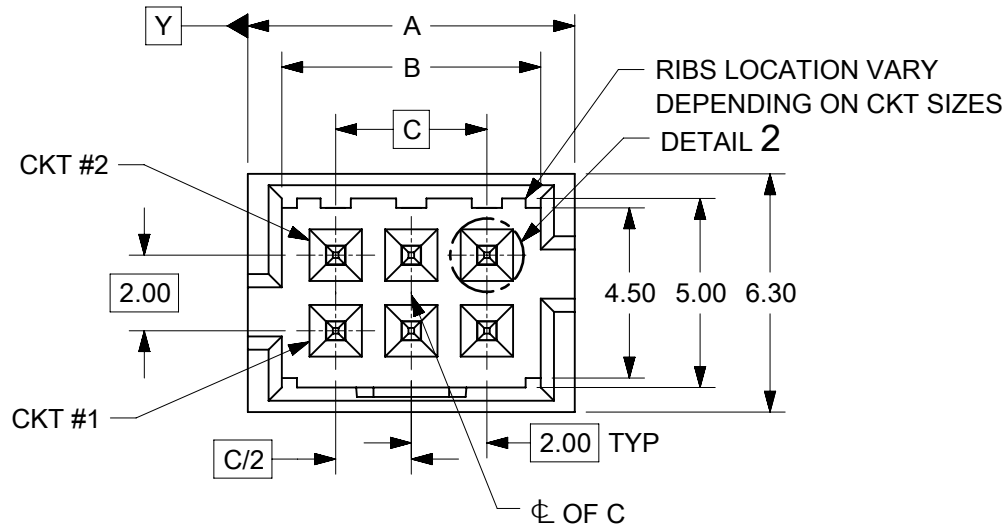
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1

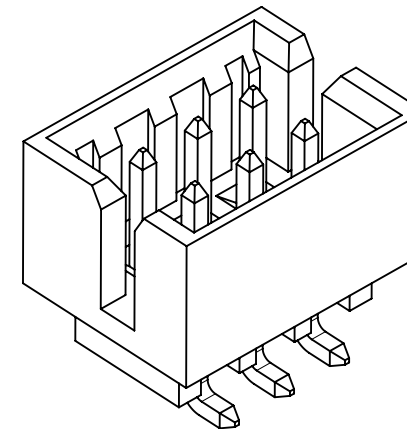
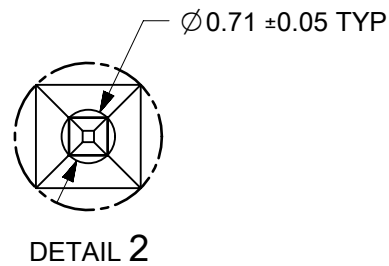
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REVISION: C

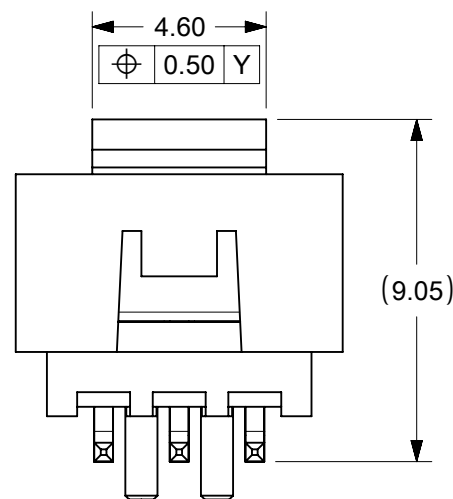
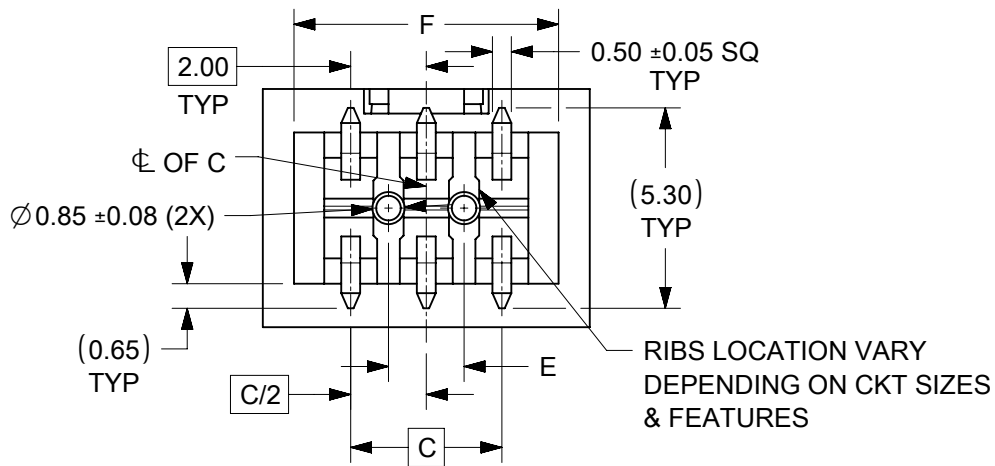
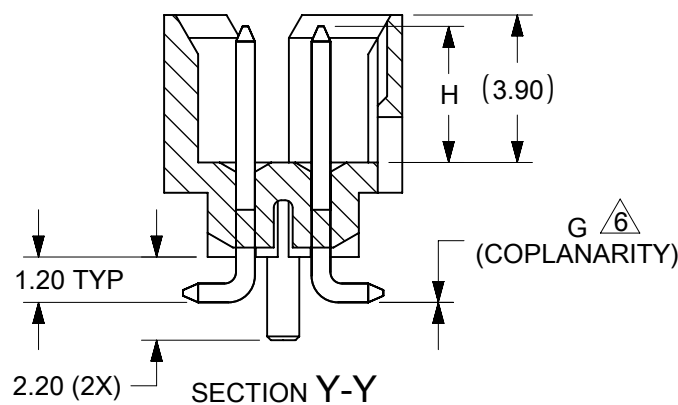
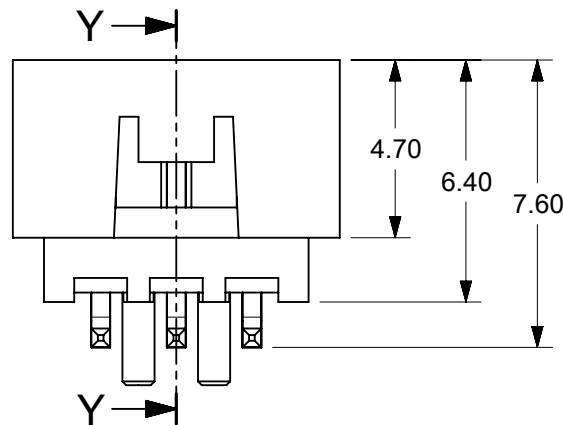
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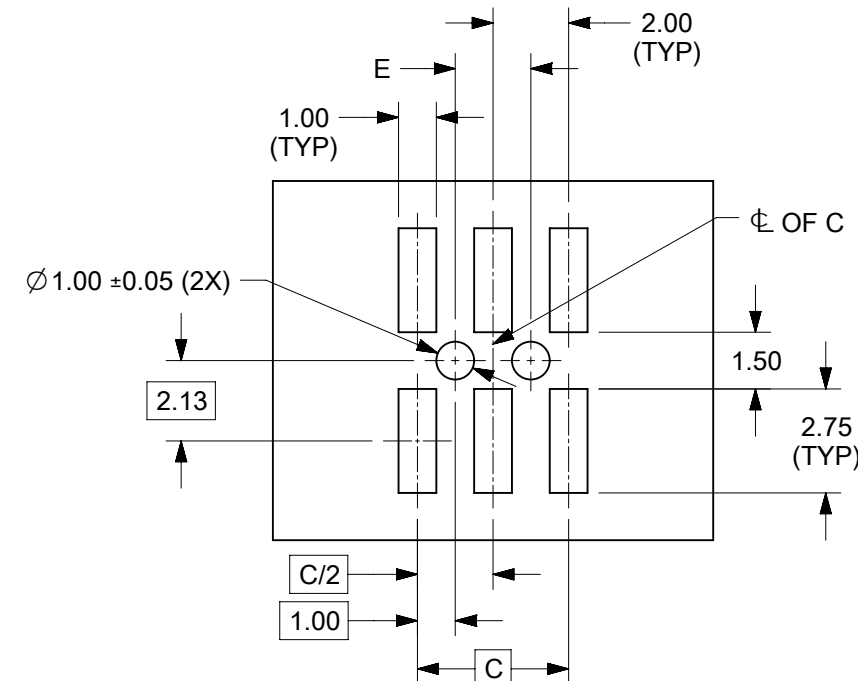
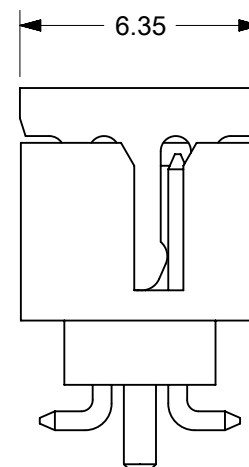
## 6 CIRCUITS



VIEW FOR HEADER WITH ONLY DUAL SLOTS



VIEW FOR HEADER WITH CAP



RECOMMENDED PCB LAYOUT

### NOTES:

- MATERIALS:  
HOUSING & CAP: 30% GF, NYLON, UL94V-0, COLOR: BLACK  
PIN: 0.50mm SQ. PHOSPHOR BRONZE
  - FINISHES: REFER TO PLATING OPTIONS
  - PRODUCT SPECIFICATION: PS-87831-027
  - PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 12
  - MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND CRIMP TERMINAL: 50394 SERIES  
B. MOLEX 2mm MILLIGRID DUAL ROW IDT: 87568 SERIES  
C. MOLEX 2mm MILLIGRID DUAL ROW RECEPTACLE: 79107 (GOLD PLATED), 78787 (TIN PLATED)
6. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE
7. BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY
8. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE

| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                        |                                                            |       |      |                 |  |                        |  |                   |                                                                  |                 |              |                |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------|-------|------|-----------------|--|------------------------|--|-------------------|------------------------------------------------------------------|-----------------|--------------|----------------|--|--|
| EC NO: 693462<br>DRWN: DANUSA<br>CHK'D: DANUSA<br>APPR: MRAMAKRISHNA                                                                          | 2021/12/24<br>2022/01/26<br>2022/01/27 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       |      | DIMENSION UNITS |  | SCALE                  |  | <div>molex®</div> |                                                                  |                 |              |                |  |  |
|                                                                                                                                               |                                        |                                                            | MM    | INCH | MM              |  | NTS                    |  |                   |                                                                  |                 |              |                |  |  |
|                                                                                                                                               |                                        | 4 PLACES                                                   | ±     |      | DRWN BY         |  | DATE                   |  |                   | <div>MILLIGRID<br/>2MM PITCH, SMT VERTICAL SHROUDED HEADER</div> |                 |              |                |  |  |
|                                                                                                                                               |                                        |                                                            |       |      | GMENARLY        |  | 2015/05/22             |  |                   |                                                                  |                 |              |                |  |  |
|                                                                                                                                               |                                        | 3 PLACES                                                   | ±     |      | CHK'D BY        |  | DATE                   |  |                   |                                                                  |                 |              |                |  |  |
|                                                                                                                                               |                                        | 2 PLACES                                                   | ± 0.2 |      | CGOH            |  | 2015/09/21             |  |                   |                                                                  |                 |              |                |  |  |
|                                                                                                                                               |                                        | 1 PLACES                                                   | ±     |      | APPR BY         |  | DATE                   |  |                   |                                                                  |                 |              |                |  |  |
|                                                                                                                                               |                                        | 0 PLACES                                                   | ±     |      | KHLIM           |  | 2015/09/22             |  |                   | PRODUCT CUSTOMER DRAWING                                         |                 |              |                |  |  |
|                                                                                                                                               |                                        | ANGULAR TOL ± 3.0                                          |       |      | DRAWING SIZE    |  | THIRD ANGLE PROJECTION |  |                   | SERIES                                                           | MATERIAL NUMBER |              | CUSTOMER       |  |  |
|                                                                                                                                               |                                        | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       |      | A3              |  |                        |  |                   | 87832                                                            | SEE TABLE       |              | GENERAL MARKET |  |  |
| DOCUMENT NUMBER                                                                                                                               |                                        |                                                            |       |      |                 |  |                        |  |                   | DOC TYPE                                                         | DOC PART        | SHEET NUMBER |                |  |  |
| SD-87832-0001                                                                                                                                 |                                        |                                                            |       |      |                 |  |                        |  |                   | PSD                                                              | 001             | 4 OF 13      |                |  |  |
| A19                                                                                                                                           | REV                                    |                                                            |       |      |                 |  |                        |  |                   |                                                                  |                 |              |                |  |  |

|             |                                    |                                 |                                |                                   |                                     |                    |                |        |                       |                            |      |           |      |      |     |      |      |               |           |      |           |
|-------------|------------------------------------|---------------------------------|--------------------------------|-----------------------------------|-------------------------------------|--------------------|----------------|--------|-----------------------|----------------------------|------|-----------|------|------|-----|------|------|---------------|-----------|------|-----------|
| 9           |                                    | 8                               |                                | 7                                 |                                     | 6                  |                | 5      |                       | 4                          |      | 3         |      | 2    |     | 1    |      |               |           |      |           |
| 6 CIRCUITS  |                                    |                                 |                                |                                   |                                     |                    |                |        |                       |                            |      |           |      |      |     |      |      |               |           |      |           |
| CKT<br>SIZE | ASSY P/N<br>WITHOUT CAP<br>IN TUBE | ASSY P/N<br>WITH CAP<br>IN TUBE | ASSY P/N<br>WITH CAP<br>IN T&R | ASSY P/N<br>WITHOUT CAP<br>IN T&R | T&R<br>OPTIONS<br>(SEE<br>SHEET 12) | PLATING<br>OPTIONS | FRICTION LOCKS |        | DUAL<br>SIDE<br>SLOTS | CENTER<br>POLARIZATIO<br>N | PEGS | DIMENSION |      |      |     |      |      |               |           |      |           |
|             |                                    |                                 |                                |                                   |                                     |                    | DUAL           | CENTER |                       |                            |      | A         | B    | C    | D   | E    | F    | G<br>(COPLAN) | H         |      |           |
| 6           | 87832-0660                         | 87832-0662                      | 87832-5262                     |                                   | 1                                   | 1                  | N.A            | N.A    | YES                   | N.A                        | YES  | 8.65      | 6.85 | 4.00 | N.A | 2.00 | 7.00 | 0.10          | 3.60±0.20 |      |           |
|             | 87832-0620                         | 87832-0622                      | 87832-5222                     | 87832-5230                        | 1                                   | 2                  |                |        |                       |                            |      |           |      |      |     |      |      |               |           |      |           |
|             | 87832-0621                         | 87832-0623                      | 87832-5223                     |                                   | 1                                   | 3                  |                |        |                       |                            |      |           |      |      |     |      |      |               |           |      |           |
|             | 87832-0670                         | 87832-0672                      | 87832-5272                     |                                   | 1                                   | 4                  |                |        |                       |                            |      |           |      |      |     |      |      |               |           |      |           |
|             | 87832-0612                         | 87832-0616                      | 87832-0614                     |                                   | 1                                   | 2                  | N.A            | N.A    | YES                   | N.A                        | N.A  |           |      |      |     |      |      | 0.10          | 3.60±0.20 |      |           |
|             | 87832-0613                         | 87832-0617                      | 87832-0615                     |                                   | 1                                   | 3                  | N.A            | N.A    | YES                   | YES                        | N.A  |           |      |      |     |      |      |               |           |      |           |
|             | 87832-0624                         | 87832-0626                      | 87832-0628                     |                                   | 1                                   | 2                  | N.A            | YES    | YES                   | N.A                        | N.A  |           |      |      |     |      |      |               |           | 0.10 | 3.60±0.15 |
|             | 87832-0625                         | 87832-0627                      | 87832-0629                     |                                   | 1                                   | 3                  |                |        |                       |                            |      |           |      |      |     |      |      |               |           |      |           |
|             | 87832-0610                         | 87832-0608                      | 87832-0606                     |                                   | 1                                   | 2                  | N.A            | YES    | YES                   | N.A                        | YES  |           |      |      |     |      |      | 0.10          | 3.60±0.20 |      |           |
|             | 87832-0611                         | 87832-0609                      | 87832-0607                     |                                   | 1                                   | 3                  |                |        |                       |                            |      |           |      |      |     |      |      |               |           |      |           |
| 87832-0604  | N.A                                | N.A                             |                                | N.A                               | 2                                   | N.A                | YES            | YES    | N.A                   | YES                        | 0.10 | 3.60±0.20 |      |      |     |      |      |               |           |      |           |

PLATING OPTIONS:

1 - 0.05-0.13µm/2-5µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.

2 - 0.38µm/15µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.

3 - 0.76µm/30µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.

4 - 2.50µm/100µin MIN. MATTE TIN OVER 1.25µm/50µin MIN. NICKEL OVERALL.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

EC NO: 693462

DRWN: DANUSA

CHK'D: DANUSA

APPR: MRAMAKRISHNA

2021/12/24

2022/01/26

2022/01/27

GENERAL TOLERANCES (UNLESS SPECIFIED)

MM

INCH

4 PLACES

±

±

3 PLACES

±

±

2 PLACES

±

0.2

±

1 PLACES

±

±

0 PLACES

±

±

ANGULAR TOL ± 3.0

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION UNITS

MM

SCALE

NTS

DRWN BY

DATE

GMENARLY

2015/05/22

CHK'D BY

DATE

CGOH

2015/09/21

APPR BY

DATE

KHLIM

2015/09/22

DRAWING SIZE

THIRD ANGLE PROJECTION

A3

SERIES

MATERIAL NUMBER

CUSTOMER

87832

SEE TABLE

GENERAL MARKET

DOCUMENT NUMBER

DOC TYPE

DOC PART

SHEET NUMBER

SD-87832-0001

PSD

001

5 OF 13

RELEASE STATUS

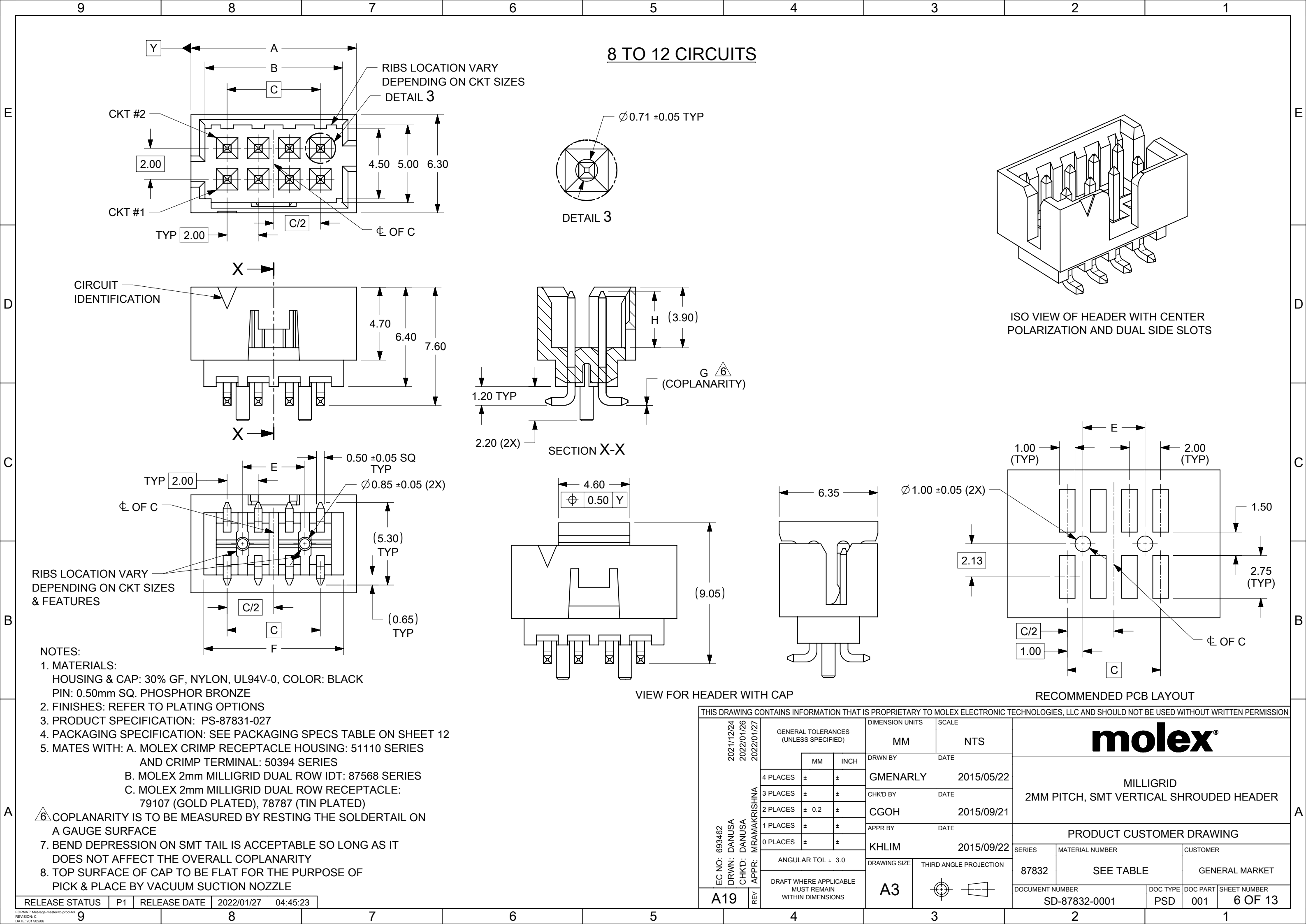
P1

RELEASE DATE

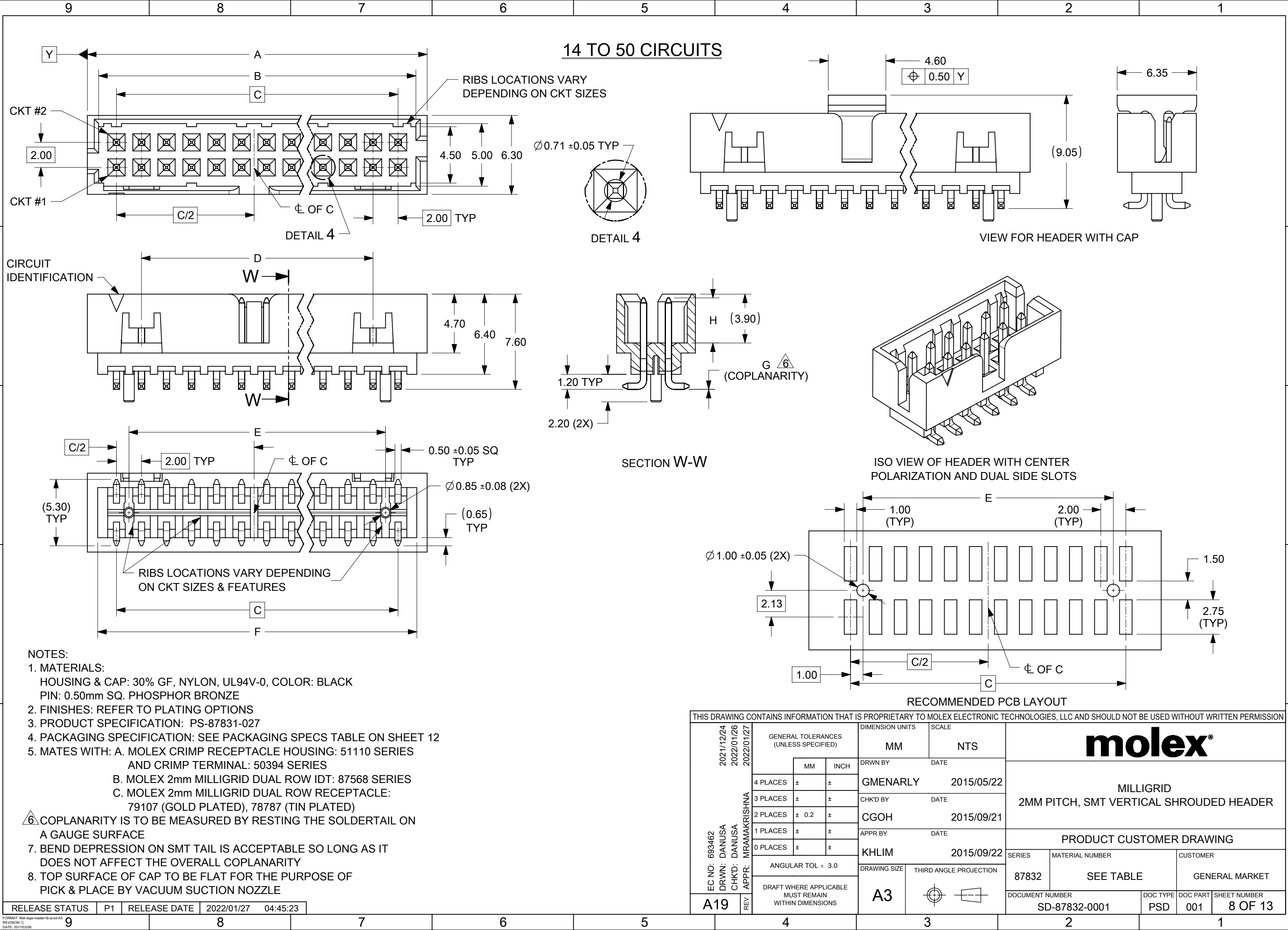
2022/01/27

04:45:23

| 9 | | 8 | | 7 | | 6 | | 5 | | 4 | | 3 | | 2 | | 1 | |



|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |                                          |                                |                                   |                                     |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------|--------------------------------|-----------------------------------|-------------------------------------|--------------------|----------------|------------|---------------------------------|------------------------------------------------------|-----------|--------------|-----------|----------------|-------|-------|------|--------------------------------------------------------------------------|----------------------------------------|------------------------------------------|-----------|-----------|-----------------|------|-----------|-----------|--------|--|--|--|--|--|----|------|----|-----|----------|---|--|---|---------|--|------|--|------------------------------------------------------|--|--|--|--|----------|---|--|---|----------|--|------------|--|----------|---|-----|---|----------|--|------|--|--------------------------|--|--|--|--|----------|---|--|---|------|--|------------|--|----------|---|--|---|---------|--|------|--|---------------------------------|--|--|--|--|-------------------|--|--|-------|--|------------|--|-------|--|-----------|--|----------------|--|------------------------------------------------------------|--|--|--------------|--|------------------------|--|-----------------|--|----------|--|----------|--|--------------|--|--|--|--|----|--|--|--|---------------|--|-----|--|-----|--|---------|--|
| 9                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8                                      |                                          | 7                              |                                   | 6                                   |                    | 5              |            | 4                               |                                                      | 3         |              | 2         |                | 1     |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
| 8 TO 12 CIRCUITS                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |                                          |                                |                                   |                                     |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
| E                                                          | CKT<br>SIZE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ASSY P/N<br>WITHOUT CAP<br>IN TUBE     | ASSY P/N<br>WITH CAP<br>IN TUBE          | ASSY P/N<br>WITH CAP<br>IN T&R | ASSY P/N<br>WITHOUT CAP<br>IN T&R | T&R<br>OPTIONS<br>(SEE<br>SHEET 12) | PLATING<br>OPTIONS | FRICTION LOCKS |            | DUAL<br>SIDE<br>SLOTS           | CENTER<br>POLARIZ<br>ATION                           | PEGS      | DIMENSION    |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |                                          |                                |                                   |                                     |                    | DUAL           | CENTER     |                                 |                                                      |           | A            | B         | C              | D     | E     | F    | G<br>(COPLAN)                                                            | H                                      |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 87832-0860                             | 87832-0862                               | 87832-5362                     |                                   | 1                                   | 1                  | N.A            | N.A        | YES                             | YES                                                  | YES       | 10.65        | 8.85      | 6.00           | N.A   | 4.00  | 9.00 | 0.10                                                                     | 3.60±0.20                              |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 87832-0820                             | 87832-0822                               | 87832-5322                     |                                   | 1                                   | 2                  |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 87832-0821                             | 87832-0823                               | 87832-5323                     |                                   | 1                                   | 3                  |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 87832-0870                             | 87832-0872                               | 87832-5372                     |                                   | 1                                   | 4                  |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 87832-0812                             | 87832-0816                               | 87832-0814                     |                                   | 1                                   | 2                  | N.A            | N.A        | YES                             | YES                                                  | N.A       |              |           |                |       |       |      | 0.10                                                                     | 3.60±0.20                              |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 87832-0824                             | 87832-0826                               | 87832-0828                     |                                   | 1                                   | 2                  | N.A            | YES        | YES                             | N.A                                                  | N.A       |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 87832-0825                             | 87832-0827                               | 87832-0829                     |                                   | 1                                   | 3                  | N.A            | YES        | YES                             | N.A                                                  | YES       |              |           |                |       |       |      |                                                                          |                                        | 0.10                                     | 3.60±0.15 |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 87832-0810                             | 87832-0808                               | 87832-0806                     |                                   | 1                                   | 2                  |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
| 87832-0811                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 87832-0809                             | 87832-0807                               |                                | 1                                 | 3                                   |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
| 87832-0804                                                 | N.A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N.A                                    |                                          | N.A                            | 2                                 | N.A                                 | YES                | YES            | N.A        | YES                             | 0.10                                                 | 3.60±0.20 |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
| D                                                          | 87832-1060                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87832-1062                             | 87832-5462                               |                                | 1                                 | 1                                   | N.A                | N.A            | YES        | YES                             |                                                      |           | YES          | 12.65     | 10.85          | 8.00  | N.A   | 6.00 | 11.00                                                                    | 0.10                                   | 3.60±0.20                                |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | 87832-1020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87832-1022                             | 87832-5422                               | 87832-5430                     | 1                                 | 2                                   |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | 87832-1021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87832-1023                             | 87832-5423                               |                                | 1                                 | 3                                   |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        | 87832-9423                               |                                | 2                                 |                                     |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | 87832-1070                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87832-1072                             | 87832-5472                               |                                | 1                                 | 4                                   | N.A                | N.A            | YES        | YES                             | N.A                                                  | 0.10      | 3.60±0.20    |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | 87832-1012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87832-1016                             | 87832-1014                               |                                | 1                                 | 2                                   |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | 87832-1019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87832-1045                             | 87832-1035                               |                                | 1                                 | 1                                   |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          | N.A                                    | YES                                      | YES       | N.A       | YES             | 0.10 | 3.60±0.15 |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | 87832-1024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87832-1026                             | 87832-1028                               |                                | 1                                 | 2                                   |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | N.A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N.A                                    | 87832-1055                               |                                | 1                                 | 1                                   | N.A                | YES            | YES        | N.A                             | YES                                                  | 0.10      | 3.60±0.20    |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | 87832-1025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87832-1027                             | 87832-1029                               |                                | 1                                 | 3                                   |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
| 87832-1010                                                 | 87832-1008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87832-1006                             |                                          | 1                              | 2                                 | N.A                                 |                    |                |            |                                 |                                                      |           |              | YES       | YES            | N.A   | YES   | 0.10 | 3.60±0.20                                                                |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
| 87832-1011                                                 | 87832-1009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87832-1007                             |                                          | 1                              | 3                                 |                                     |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
| 87832-1004                                                 | N.A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N.A                                    |                                          | N.A                            | 2                                 | N.A                                 | YES                | YES            | N.A        | YES                             | 0.10                                                 | 3.60±0.20 |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
| C                                                          | 87832-1260                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87832-1262                             | 87832-5562                               |                                | 1                                 | 1                                   | N.A                | N.A            | YES        | YES                             |                                                      |           | YES          | 14.65     | 12.85          | 10.00 | N.A   |      |                                                                          | 8.00                                   | 13.00                                    | 0.10      | 3.60±0.20 |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | 87832-1220                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87832-1222                             | 87832-5522                               |                                | 1                                 | 2                                   |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | 87832-1221                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87832-1223                             | 87832-5523                               |                                | 1                                 | 3                                   |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        | 87832-9623                               |                                | 2                                 |                                     |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | 87832-1270                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87832-1272                             | 87832-5572                               |                                | 1                                 | 4                                   | N.A                | YES            | YES        | N.A                             | N.A                                                  | 0.10      | 3.60±0.15    |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | 87832-1224                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87832-1226                             | 87832-1228                               |                                | 1                                 | 2                                   |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | 87832-1225                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87832-1227                             | 87832-1229                               |                                | 1                                 | 3                                   |                    |                |            |                                 |                                                      |           |              |           |                |       |       | N.A  | YES                                                                      |                                        |                                          | YES       | N.A       | YES             | 0.10 | 3.60±0.20 |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | 87832-1210                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87832-1208                             | 87832-1206                               |                                | 1                                 | 2                                   |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | 87832-1211                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87832-1209                             | 87832-1207                               |                                | 1                                 | 3                                   | N.A                | YES            | YES        | N.A                             | YES                                                  | 0.10      | 3.60±0.20    |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | 87832-1204                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | N.A                                    | N.A                                      |                                | N.A                               | 2                                   |                    |                |            |                                 |                                                      |           |              |           |                |       |       | N.A  | YES                                                                      |                                        |                                          | YES       | N.A       | YES             |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
| 87832-1212                                                 | N.A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N.A                                    |                                          | N.A                            | 2                                 | N.A                                 |                    |                |            |                                 |                                                      |           |              | N.A       | YES            | YES   | N.A   |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
| B                                                          | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 87832-1260                             | 87832-1262                               | 87832-5562                     |                                   | 1                                   | 1                  | N.A            | N.A        | YES                             | YES                                                  |           |              | YES       | 14.65          | 12.85 | 10.00 | N.A  | 8.00                                                                     | 13.00                                  | 0.10                                     | 3.60±0.20 |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 87832-1220                             | 87832-1222                               | 87832-5522                     |                                   | 1                                   | 2                  |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 87832-1221                             | 87832-1223                               | 87832-5523                     |                                   | 1                                   | 3                  |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |                                          | 87832-9623                     |                                   | 2                                   |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 87832-1270                             | 87832-1272                               | 87832-5572                     |                                   | 1                                   | 4                  | N.A            | YES        | YES                             | N.A                                                  | N.A       | 0.10         | 3.60±0.15 |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 87832-1224                             | 87832-1226                               | 87832-1228                     |                                   | 1                                   | 2                  |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 87832-1225                             | 87832-1227                               | 87832-1229                     |                                   | 1                                   | 3                  |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        | N.A                                      | YES       | YES       | N.A             | YES  | 0.10      | 3.60±0.20 |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 87832-1210                             | 87832-1208                               | 87832-1206                     |                                   | 1                                   | 2                  |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 87832-1211                             | 87832-1209                               | 87832-1207                     |                                   | 1                                   | 3                  | N.A            | YES        | YES                             | N.A                                                  | YES       | 0.10         | 3.60±0.20 |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 87832-1204                             | N.A                                      | N.A                            |                                   | N.A                                 | 2                  |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        | N.A                                      | YES       | YES       | N.A             | YES  |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
| 87832-1212                                                 | N.A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N.A                                    |                                          | N.A                            | 2                                 | N.A                                 | N.A                |                |            |                                 |                                                      |           |              |           | YES            | YES   | N.A   |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
| A                                                          | <div>PLATING OPTIONS:<br/>1 - 0.05-0.13µm/2-5µin GOLD IN CONTACT AREA AND<br/>1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER<br/>1.27µm/50µin MIN. NICKEL OVERALL.<br/>2 - 0.38µm/15µin MIN. GOLD IN CONTACT AREA AND<br/>1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER<br/>1.27µm/50µin MIN. NICKEL OVERALL.<br/>3 - 0.76µm/30µin MIN. GOLD IN CONTACT AREA AND<br/>1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER<br/>1.27µm/50µin MIN. NICKEL OVERALL.<br/>4 - 2.50µm/100µin MIN. MATTE TIN OVER 1.25µm/50µin MIN. NICKEL OVERALL.</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                          |                                |                                   |                                     |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | RELEASE STATUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | P1                                     | RELEASE DATE                             | 2022/01/27                     | 04:45:23                          |                                     |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                        | 8                                        |                                | 7                                 |                                     | 6                  |                | 5          |                                 | 4                                                    |           | 3            |           | 2              |       | 1     |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            | <div>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</div> <table><tr><td rowspan="10">EC NO: 693462<br/>DRWN: DANUSA<br/>CHK'D: DANUSA<br/>REV APPR: MRAMAKRISHNA</td><td rowspan="10">2021/12/24<br/>2022/01/26<br/>2022/01/27</td><td colspan="3">GENERAL TOLERANCES<br/>(UNLESS SPECIFIED)</td><td colspan="2">DIMENSION UNITS</td><td colspan="2">SCALE</td><td colspan="5" rowspan="2">molex®</td></tr><tr><td></td><td>MM</td><td>INCH</td><td>MM</td><td>NTS</td></tr><tr><td>4 PLACES</td><td>±</td><td></td><td>±</td><td colspan="2">DRWN BY</td><td colspan="2">DATE</td><td colspan="5" rowspan="2">MILLIGRID<br/>2MM PITCH, SMT VERTICAL SHROUDED HEADER</td></tr><tr><td>3 PLACES</td><td>±</td><td></td><td>±</td><td colspan="2">GMENARLY</td><td colspan="2">2015/05/22</td></tr><tr><td>2 PLACES</td><td>±</td><td>0.2</td><td>±</td><td colspan="2">CHK'D BY</td><td colspan="2">DATE</td><td colspan="5" rowspan="2">PRODUCT CUSTOMER DRAWING</td></tr><tr><td>1 PLACES</td><td>±</td><td></td><td>±</td><td colspan="2">CGOH</td><td colspan="2">2015/09/21</td></tr><tr><td>0 PLACES</td><td>±</td><td></td><td>±</td><td colspan="2">APPR BY</td><td colspan="2">DATE</td><td colspan="5" rowspan="2">SERIES MATERIAL NUMBER CUSTOMER</td></tr><tr><td colspan="3">ANGULAR TOL ± 3.0</td><td colspan="2">KHLIM</td><td colspan="2">2015/09/22</td><td colspan="2">87832</td><td colspan="2">SEE TABLE</td><td colspan="2">GENERAL MARKET</td></tr><tr><td colspan="3">DRAFT WHERE APPLICABLE<br/>MUST REMAIN<br/>WITHIN DIMENSIONS</td><td colspan="2">DRAWING SIZE</td><td colspan="2">THIRD ANGLE PROJECTION</td><td colspan="2">DOCUMENT NUMBER</td><td colspan="2">DOC TYPE</td><td colspan="2">DOC PART</td><td colspan="2">SHEET NUMBER</td></tr><tr><td colspan="3"></td><td colspan="2">A3</td><td colspan="2"></td><td colspan="2">SD-87832-0001</td><td colspan="2">PSD</td><td colspan="2">001</td><td colspan="2">7 OF 13</td></tr></table> |                                        |                                          |                                |                                   |                                     |                    |                |            |                                 |                                                      |           |              |           |                |       |       |      | EC NO: 693462<br>DRWN: DANUSA<br>CHK'D: DANUSA<br>REV APPR: MRAMAKRISHNA | 2021/12/24<br>2022/01/26<br>2022/01/27 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |           |           | DIMENSION UNITS |      | SCALE     |           | molex® |  |  |  |  |  | MM | INCH | MM | NTS | 4 PLACES | ± |  | ± | DRWN BY |  | DATE |  | MILLIGRID<br>2MM PITCH, SMT VERTICAL SHROUDED HEADER |  |  |  |  | 3 PLACES | ± |  | ± | GMENARLY |  | 2015/05/22 |  | 2 PLACES | ± | 0.2 | ± | CHK'D BY |  | DATE |  | PRODUCT CUSTOMER DRAWING |  |  |  |  | 1 PLACES | ± |  | ± | CGOH |  | 2015/09/21 |  | 0 PLACES | ± |  | ± | APPR BY |  | DATE |  | SERIES MATERIAL NUMBER CUSTOMER |  |  |  |  | ANGULAR TOL ± 3.0 |  |  | KHLIM |  | 2015/09/22 |  | 87832 |  | SEE TABLE |  | GENERAL MARKET |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  |  | DRAWING SIZE |  | THIRD ANGLE PROJECTION |  | DOCUMENT NUMBER |  | DOC TYPE |  | DOC PART |  | SHEET NUMBER |  |  |  |  | A3 |  |  |  | SD-87832-0001 |  | PSD |  | 001 |  | 7 OF 13 |  |
|                                                            | EC NO: 693462<br>DRWN: DANUSA<br>CHK'D: DANUSA<br>REV APPR: MRAMAKRISHNA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2021/12/24<br>2022/01/26<br>2022/01/27 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                                |                                   | DIMENSION UNITS                     |                    | SCALE          |            | molex®                          |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |                                          | MM                             | INCH                              | MM                                  | NTS                |                |            |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        | 4 PLACES                                 | ±                              |                                   | ±                                   | DRWN BY            |                | DATE       |                                 | MILLIGRID<br>2MM PITCH, SMT VERTICAL SHROUDED HEADER |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        | 3 PLACES                                 | ±                              |                                   | ±                                   | GMENARLY           |                | 2015/05/22 |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        | 2 PLACES                                 | ±                              | 0.2                               | ±                                   | CHK'D BY           |                | DATE       |                                 | PRODUCT CUSTOMER DRAWING                             |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        | 1 PLACES                                 | ±                              |                                   | ±                                   | CGOH               |                | 2015/09/21 |                                 |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
| 0 PLACES                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        | ±                                        |                                | ±                                 | APPR BY                             |                    | DATE           |            | SERIES MATERIAL NUMBER CUSTOMER |                                                      |           |              |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
| ANGULAR TOL ± 3.0                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        | KHLIM                                    |                                | 2015/09/22                        |                                     | 87832              |                | SEE TABLE  |                                 |                                                      |           |              |           | GENERAL MARKET |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        | DRAWING SIZE                             |                                | THIRD ANGLE PROJECTION            |                                     | DOCUMENT NUMBER    |                | DOC TYPE   |                                 | DOC PART                                             |           | SHEET NUMBER |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        | A3                                       |                                |                                   |                                     | SD-87832-0001      |                | PSD        |                                 | 001                                                  |           | 7 OF 13      |           |                |       |       |      |                                                                          |                                        |                                          |           |           |                 |      |           |           |        |  |  |  |  |  |    |      |    |     |          |   |  |   |         |  |      |  |                                                      |  |  |  |  |          |   |  |   |          |  |            |  |          |   |     |   |          |  |      |  |                          |  |  |  |  |          |   |  |   |      |  |            |  |          |   |  |   |         |  |      |  |                                 |  |  |  |  |                   |  |  |       |  |            |  |       |  |           |  |                |  |                                                            |  |  |              |  |                        |  |                 |  |          |  |          |  |              |  |  |  |  |    |  |  |  |               |  |     |  |     |  |         |  |



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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------|-----------------------------------|-------------------------------------|--------------------|----------------|--------|-----------------------|----------------------------|------|-----------|-------|-------|-------|-------|-----------|---------------|-------------|-----------|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|-----------|-------|-----------|--|
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                               | 8                               |                                | 7                                 |                                     | 6                  |                | 5      |                       | 4                          |      | 3         |       | 2     |       | 1     |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
| 14 TO 24 CIRCUITS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                               |                                 |                                |                                   |                                     |                    |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
| CKT<br>SIZE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ASSY P/N<br>WITHOUT CAP<br>IN TUBE                                                                                                            | ASSY P/N<br>WITH CAP<br>IN TUBE | ASSY P/N<br>WITH CAP<br>IN T&R | ASSY P/N<br>WITHOUT CAP<br>IN T&R | T&R<br>OPTIONS<br>(SEE<br>SHEET 12) | PLATING<br>OPTIONS | FRICTION LOCKS |        | DUAL<br>SIDE<br>SLOTS | CENTER<br>POLARIZA<br>TION | PEGS | DIMENSION |       |       |       |       |           |               | So<br>(T&R) |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                               |                                 |                                |                                   |                                     |                    | DUAL           | CENTER |                       |                            |      | A         | B     | C     | D     | E     | F         | G<br>(COPLAN) |             | H         |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 87832-1460                                                                                                                                    | 87832-1462                      | 87832-5662                     |                                   | 1                                   | 1                  | YES            | N.A    | YES                   | YES                        | YES  | 16.65     | 14.85 | 12.00 | 8.00  | 10.00 | 15.0<br>0 | 0.15          | 3.60±0.20   |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 87832-1420                                                                                                                                    | 87832-1422                      | 87832-5622                     | 87832-5630                        | 1                                   | 2                  |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 87832-1421                                                                                                                                    | 87832-1423                      | 87832-5623                     |                                   | 1                                   | 3                  |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                               |                                 | 87832-9523                     |                                   | 2                                   |                    |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 87832-1470                                                                                                                                    | 87832-1472                      | 87832-5672                     |                                   | 1                                   | 4                  |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 87832-1412                                                                                                                                    | 87832-1416                      | 87832-1414                     |                                   | 1                                   | 2                  |                |        |                       |                            |      |           |       |       |       |       |           |               |             | YES       | N.A | YES | YES | N.A |     |       |       |       |       | 0.15  | 3.60±0.20 |       |           |  |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 87832-1660                                                                                                                                    | 87832-1662                      | 87832-5762                     |                                   | 1                                   | 1                  | YES            | N.A    | YES                   | YES                        | YES  | 18.65     | 16.85 | 14.00 | 10.00 | 12.00 | 17.0<br>0 | 0.15          | 3.60±0.20   |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 87832-1620                                                                                                                                    | 87832-1622                      | 87832-5722                     |                                   | 1                                   | 2                  |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 87832-1621                                                                                                                                    | 87832-1623                      | 87832-5723                     |                                   | 1                                   | 3                  |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 87832-1670                                                                                                                                    | 87832-1672                      | 87832-5772                     | 87832-5730                        | 1                                   | 4                  |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 87832-1612                                                                                                                                    | 87832-1616                      | 87832-1614                     |                                   | 1                                   | 2                  |                |        |                       |                            |      |           |       |       |       |       |           |               |             | YES       | N.A | YES | YES | N.A |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 87832-1619                                                                                                                                    | 87832-1645                      | 87832-1635                     |                                   | 1                                   | 1                  |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 18                                                                                                                                            | 87832-1860                      | 87832-1862                     | 87832-5862                        |                                     | 1                  | 1              | YES    | N.A                   | YES                        | YES  | YES       | 20.65 | 18.85 | 16.00 | 12.00 | 14.00     | 19.0<br>0     | 0.15        | 3.60±0.20 |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                               | 87832-1820                      | 87832-1822                     | 87832-5822                        | 87832-5830                          | 1                  | 2              |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                               | 87832-1821                      | 87832-1823                     | 87832-5823                        |                                     | 1                  | 3              |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                               | 87832-1870                      | 87832-1872                     | 87832-5872                        |                                     | 1                  | 4              |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                               | 87832-1812                      | 87832-1816                     | 87832-1814                        |                                     | 3                  | 2              |        |                       |                            |      |           |       |       |       |       |           |               |             |           | YES | N.A | YES | YES | N.A |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                               | 87832-1813                      | 87832-1817                     | 87832-1815                        |                                     | 3                  | 3              |        |                       |                            |      |           |       |       |       |       |           |               |             |           | YES | N.A | YES | YES | N.A |       |       |       |       |       |           |       |           |  |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 87832-2060                                                                                                                                    | 87832-2062                      | 87832-5962                     |                                   | 1                                   | 1                  | YES            | N.A    | YES                   | YES                        | YES  | 22.65     | 20.85 | 18.00 | 14.00 | 16.00 | 21.0<br>0 | 0.15          | 3.60±0.20   |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 87832-2020                                                                                                                                    | 87832-2022                      | 87832-5922                     | 87832-5930                        | 1                                   | 2                  |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 87832-2021                                                                                                                                    | 87832-2023                      | 87832-5923                     |                                   | 1                                   | 3                  |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 87832-2070                                                                                                                                    | 87832-2072                      | 87832-5972                     |                                   | 1                                   | 4                  |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                               |                                 | 87832-9672                     |                                   | 2                                   |                    |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 87832-2012                                                                                                                                    | 87832-2016                      | 87832-2014                     |                                   | 1                                   | 2                  |                |        |                       |                            |      |           |       |       |       |       |           |               |             | YES       | N.A | YES | YES | N.A |     |       |       |       |       | 0.15  | 3.60±0.20 | 40.40 |           |  |
| 22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 87832-2260                                                                                                                                    | 87832-2262                      | 87832-6062                     |                                   | 1                                   | 1                  | YES            | N.A    | YES                   | YES                        | YES  | 24.65     | 22.85 | 20.00 | 16.00 | 18.00 | 23.0<br>0 | 0.15          | 3.60±0.20   |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 87832-2220                                                                                                                                    | 87832-2222                      | 87832-6022                     | 87832-6030                        | 1                                   | 2                  |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 87832-2221                                                                                                                                    | 87832-2223                      | 87832-6023                     |                                   | 1                                   | 3                  |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 87832-2270                                                                                                                                    | 87832-2272                      | 87832-6072                     |                                   | 1                                   | 4                  |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 24                                                                                                                                            | 87832-2460                      | 87832-2462                     | 87832-6162                        |                                     | 1                  |                |        |                       |                            |      |           |       |       |       |       |           |               |             | 1         | YES | N.A | YES | YES | YES | 26.65 | 24.85 | 22.00 | 18.00 | 20.00 | 25.0<br>0 | 0.15  | 3.60±0.20 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                               | 87832-2420                      | 87832-2422                     | 87832-6122                        | 87832-6130                          | 1                  |                |        |                       |                            |      |           |       |       |       |       |           |               |             | 2         |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                               | 87832-2421                      | 87832-2423                     | 87832-6123                        |                                     | 1                  | 3              |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                               | 87832-2470                      | 87832-2472                     | 87832-6172                        |                                     | 1                  | 4              |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                               | 87832-2412                      | 87832-2416                     | 87832-2414                        |                                     | 1                  | 2              | YES    | N.A                   | YES                        | YES  | N.A       |       |       |       |       |           | 0.15          | 3.60±0.20   |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                 |                                |                                   |                                     |                    |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
| <div><div><div>PLATING OPTIONS:<br/>1 - 0.05-0.13µm/2-5µin GOLD IN CONTACT AREA AND<br/>1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER<br/>1.27µm/50µin MIN. NICKEL OVERALL.<br/>2 - 0.38µm/15µin MIN. GOLD IN CONTACT AREA AND<br/>1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER<br/>1.27µm/50µin MIN. NICKEL OVERALL.<br/>3 - 0.76µm/30µin MIN. GOLD IN CONTACT AREA AND<br/>1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER<br/>1.27µm/50µin MIN. NICKEL OVERALL.<br/>4 - 2.50µm/100µin MIN. MATTE TIN OVER 1.25µm/50µin MIN. NICKEL OVERALL.</div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                               |                                 |                                |                                   |                                     |                    |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
| <div><div><div>EC NO: 693462<br/>DRWN: DANUSA<br/>CHK'D: DANUSA<br/>REV APPR: MIRAMAKRISHNA</div><div>2021/12/24<br/>2022/01/26<br/>2022/01/27</div></div><div><div>GENERAL TOLERANCES<br/>(UNLESS SPECIFIED)</div><div><div></div><div>MM</div><div>INCH</div></div><div><div>4 PLACES</div><div>±</div><div></div><div>±</div></div><div><div>3 PLACES</div><div>±</div><div></div><div>±</div></div><div><div>2 PLACES</div><div>±</div><div>0.2</div><div>±</div></div><div><div>1 PLACES</div><div>±</div><div></div><div>±</div></div><div><div>0 PLACES</div><div>±</div><div></div><div>±</div></div><div>ANGULAR TOL ± 3.0</div><div>DRAFT WHERE APPLICABLE<br/>MUST REMAIN<br/>WITHIN DIMENSIONS</div></div><div><div>DIMENSION UNITS</div><div>MM</div><div>SCALE</div><div>NTS</div></div><div><div>DRWN BY</div><div>DATE</div><div>GMENARLY</div><div>2015/05/22</div></div><div><div>CHK'D BY</div><div>DATE</div><div>CGOH</div><div>2015/09/21</div></div><div><div>APPR BY</div><div>DATE</div><div>KHLIM</div><div>2015/09/22</div></div><div><div>DRAWING SIZE</div><div>THIRD ANGLE PROJECTION</div><div>A3</div><div></div></div><div><div>SERIES</div><div>MATERIAL NUMBER</div><div>CUSTOMER</div><div>87832</div><div>SEE TABLE</div><div>GENERAL MARKET</div></div><div><div>DOCUMENT NUMBER</div><div>DOC TYPE</div><div>DOC PART</div><div>SHEET NUMBER</div><div>SD-87832-0001</div><div>PSD</div><div>001</div><div>9 OF 13</div></div></div> |                                                                                                                                               |                                 |                                |                                   |                                     |                    |                |        |                       |                            |      |           |       |       |       |       |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                               | 8                               |                                | 7                                 |                                     | 6                  |                | 5      |                       | 4                          |      | 3         |       | 2     |       | 1     |           |               |             |           |     |     |     |     |     |       |       |       |       |       |           |       |           |  |

|                   |                                    |                                 |                                |                                   |                                     |                    |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|-------------------|------------------------------------|---------------------------------|--------------------------------|-----------------------------------|-------------------------------------|--------------------|----------------|--------|-----------------------|----------------------------|------|-----------|-------|-------|-------|-------|-------|---------------|-----------|------|-----------|
| 9                 |                                    | 8                               |                                | 7                                 |                                     | 6                  |                | 5      |                       | 4                          |      | 3         |       | 2     |       | 1     |       |               |           |      |           |
| 26 TO 38 CIRCUITS |                                    |                                 |                                |                                   |                                     |                    |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
| CKT<br>SIZE       | ASSY P/N<br>WITHOUT CAP<br>IN TUBE | ASSY P/N<br>WITH CAP<br>IN TUBE | ASSY P/N<br>WITH CAP<br>IN T&R | ASSY P/N<br>WITHOUT CAP<br>IN T&R | T&R<br>OPTIONS<br>(SEE<br>SHEET 12) | PLATING<br>OPTIONS | FRICTION LOCKS |        | DUAL<br>SIDE<br>SLOTS | CENTER<br>POLARIZA<br>TION | PEGS | DIMENSION |       |       |       |       |       |               |           |      |           |
|                   |                                    |                                 |                                |                                   |                                     |                    | DUAL           | CENTER |                       |                            |      | A         | B     | C     | D     | E     | F     | G<br>(COPLAN) | H         |      |           |
| 26                | 87832-2660                         | 87832-2662                      | 87832-6262                     |                                   | 1                                   | 1                  | YES            | N.A    | YES                   | YES                        | YES  | 28.65     | 26.85 | 24.00 | 20.00 | 22.00 | 27.00 | 0.15          | 3.60±0.20 |      |           |
|                   | 87832-2620                         | 87832-2622                      | 87832-6222                     |                                   | 1                                   | 2                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|                   | 87832-2621                         | 87832-2623                      | 87832-6223                     |                                   | 1                                   | 3                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|                   | 87832-2670                         | 87832-2672                      | 87832-6272                     |                                   | 1                                   | 4                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|                   | 87832-2612                         | 87832-2616                      | N.A                            |                                   | N.A                                 | 2                  | YES            | N.A    | YES                   | YES                        | N.A  |           |       |       |       |       |       | 0.15          | 3.60±0.20 |      |           |
|                   | 87832-2619                         | 87832-2645                      | 87832-2635                     |                                   | 1                                   | 1                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
| 28                | 87832-2860                         | 87832-2862                      | 87832-6362                     |                                   | 1                                   | 1                  | YES            | N.A    | YES                   | YES                        | YES  | 30.65     | 28.85 | 26.00 | 22.00 | 24.00 | 29.00 | 0.15          | 3.60±0.20 |      |           |
|                   | 87832-2820                         | 87832-2822                      | 87832-6322                     |                                   | 1                                   | 2                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|                   | 87832-2821                         | 87832-2823                      | 87832-6323                     |                                   | 1                                   | 3                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|                   | 87832-2870                         | 87832-2872                      | 87832-6372                     |                                   | 1                                   | 4                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|                   | N.A                                | 87832-2816                      | N.A                            |                                   | 1                                   | 2                  | YES            | N.A    | YES                   | YES                        | N.A  |           |       |       |       |       |       |               |           | 0.15 | 3.60±0.20 |
|                   | N.A                                | 87832-2819                      | N.A                            |                                   | 1                                   | 1                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
| 30                | 87832-3060                         | 87832-3062                      | 87832-6462                     |                                   | 1                                   | 1                  | YES            | N.A    | YES                   | YES                        | YES  | 32.65     | 30.85 | 28.00 | 24.00 | 26.00 | 31.00 | 0.15          | 3.60±0.20 |      |           |
|                   | 87832-3020                         | 87832-3022                      | 87832-6422                     |                                   | 1                                   | 2                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|                   | 87832-3021                         | 87832-3023                      | 87832-6423                     |                                   | 1                                   | 3                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|                   | 87832-3070                         | 87832-3072                      | 87832-6472                     |                                   | 1                                   | 4                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|                   | 87832-3012                         | 87832-3016                      | 87832-3014                     |                                   | 3                                   | 2                  | YES            | N.A    | YES                   | YES                        | N.A  |           |       |       |       |       |       | 0.15          | 3.60±0.20 |      |           |
| 32                | 87832-3260                         | 87832-3262                      | 87832-6562                     |                                   | 1                                   | 1                  | YES            | N.A    | YES                   | YES                        | YES  | 34.65     | 32.85 | 30.00 | 26.00 | 28.00 | 33.00 | 0.15          | 3.60±0.20 |      |           |
|                   | 87832-3220                         | 87832-3222                      | 87832-6522                     |                                   | 1                                   | 2                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|                   | 87832-3221                         | 87832-3223                      | 87832-6523                     |                                   | 1                                   | 3                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|                   | 87832-3270                         | 87832-3272                      | 87832-6572                     |                                   | 1                                   | 4                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
| 34                | 87832-3460                         | 87832-3462                      | 87832-6662                     | 87832-6630                        | 1                                   | 1                  | YES            | N.A    | YES                   | YES                        | YES  | 36.65     | 34.85 | 32.00 | 28.00 | 30.00 | 35.00 | 0.15          | 3.60±0.20 |      |           |
|                   | 87832-3420                         | 87832-3422                      | 87832-6622                     |                                   | 1                                   | 2                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|                   | 87832-3421                         | 87832-3423                      | 87832-6623                     |                                   | 1                                   | 3                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|                   | 87832-3470                         | 87832-3472                      | 87832-6672                     |                                   | 1                                   | 4                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|                   | 87832-3412                         | 87832-3416                      | 87832-3414                     |                                   | 3                                   | 2                  | YES            | N.A    | YES                   | YES                        | N.A  |           |       |       |       |       |       | 0.15          | 3.60±0.20 |      |           |
|                   | 87832-3419                         | 87832-3445                      | 87832-3435                     |                                   | 3                                   | 1                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
| 36                | 87832-3660                         | 87832-3662                      | N.A                            |                                   | N.A                                 | 1                  | YES            | N.A    | YES                   | YES                        | YES  | 38.65     | 36.85 | 34.00 | 30.00 | 32.00 | 37.00 | 0.15          | 3.60±0.20 |      |           |
|                   | 87832-3620                         | 87832-3622                      | N.A                            |                                   | N.A                                 | 2                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|                   | 87832-3621                         | 87832-3623                      | 87832-3673                     |                                   | N.A                                 | 3                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|                   | 87832-3670                         | 87832-3672                      | N.A                            |                                   | N.A                                 | 4                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
| 38                | 87832-3860                         | 87832-3862                      | N.A                            |                                   | N.A                                 | 1                  | YES            | N.A    | YES                   | YES                        | YES  | 40.65     | 38.85 | 36.00 | 32.00 | 34.00 | 39.00 | 0.15          | 3.60±0.20 |      |           |
|                   | 87832-3820                         | 87832-3822                      | 87832-6822                     |                                   | N.A                                 | 2                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|                   | 87832-3821                         | 87832-3823                      | 87832-3874                     |                                   | N.A                                 | 3                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |
|                   | 87832-3870                         | 87832-3872                      | N.A                            |                                   | N.A                                 | 4                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |      |           |

2021/12/24

2022/01/26

2022/01/27

EC NO: 693462

DRWN: DANUSA

CHK'D: DANUSA

APPR: MIRAMAKRISHNA

GENERAL TOLERANCES  
(UNLESS SPECIFIED)

|          |       |      |
|----------|-------|------|
|          | MM    | INCH |
| 4 PLACES | ±     | ±    |
| 3 PLACES | ±     | ±    |
| 2 PLACES | ± 0.2 | ±    |
| 1 PLACES | ±     | ±    |
| 0 PLACES | ±     | ±    |

ANGULAR TOL ± 3.0

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION UNITS

MM

SCALE

NTS

DRWN BY

DATE

GMENARLY

2015/05/22

CHK'D BY

DATE

CGOH

2015/09/21

APPR BY

DATE

KHLIM

2015/09/22

DRAWING SIZE

A3

THIRD ANGLE PROJECTION

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

|                                                                        |            |                                          |                                                            |       |              |          |                        |               |          |                                                      |                 |     |                |          |  |
|------------------------------------------------------------------------|------------|------------------------------------------|------------------------------------------------------------|-------|--------------|----------|------------------------|---------------|----------|------------------------------------------------------|-----------------|-----|----------------|----------|--|
| EC NO: 693462<br>DRWN: DANUSA<br>CHK'D: DANUSA<br>APP'R: MIRAMAKRISHNA | 2021/12/24 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) | DIMENSION UNITS                                            |       | SCALE        |          | molex®                 |               |          |                                                      |                 |     |                |          |  |
|                                                                        | 2022/01/26 |                                          | MM                                                         |       | NTS          |          |                        |               |          |                                                      |                 |     |                |          |  |
|                                                                        | 2022/01/27 |                                          |                                                            | MM    | INCH         | DRWN BY  |                        | DATE          |          | MILLIGRID<br>2MM PITCH, SMT VERTICAL SHROUDED HEADER |                 |     |                |          |  |
|                                                                        |            |                                          | 4 PLACES                                                   | ±     | ±            | GMENARLY |                        | 2015/05/22    |          |                                                      |                 |     |                |          |  |
|                                                                        |            |                                          | 3 PLACES                                                   | ±     | ±            | CHK'D BY |                        | DATE          |          |                                                      |                 |     |                |          |  |
|                                                                        |            |                                          | 2 PLACES                                                   | ± 0.2 | ±            | CGOH     |                        | 2015/09/21    |          |                                                      |                 |     |                |          |  |
|                                                                        |            |                                          | 1 PLACES                                                   | ±     | ±            | APPR BY  |                        | DATE          |          | PRODUCT CUSTOMER DRAWING                             |                 |     |                |          |  |
|                                                                        |            |                                          | 0 PLACES                                                   | ±     | ±            | KHLIM    |                        | 2015/09/22    |          |                                                      |                 |     |                |          |  |
|                                                                        |            |                                          | ANGULAR TOL ± 3.0                                          |       | DRAWING SIZE |          | THIRD ANGLE PROJECTION |               | SERIES   |                                                      | MATERIAL NUMBER |     | CUSTOMER       |          |  |
|                                                                        |            |                                          | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | A3           |          |                        |               | 87832    |                                                      | SEE TABLE       |     | GENERAL MARKET |          |  |
| DOCUMENT NUMBER                                                        |            | DOC TYPE                                 |                                                            |       |              |          |                        |               | DOC PART |                                                      | SHEET NUMBER    |     |                |          |  |
| A19                                                                    | REV        |                                          |                                                            |       |              |          |                        | SD-87832-0001 |          | PSD                                                  |                 | 001 |                | 10 OF 13 |  |

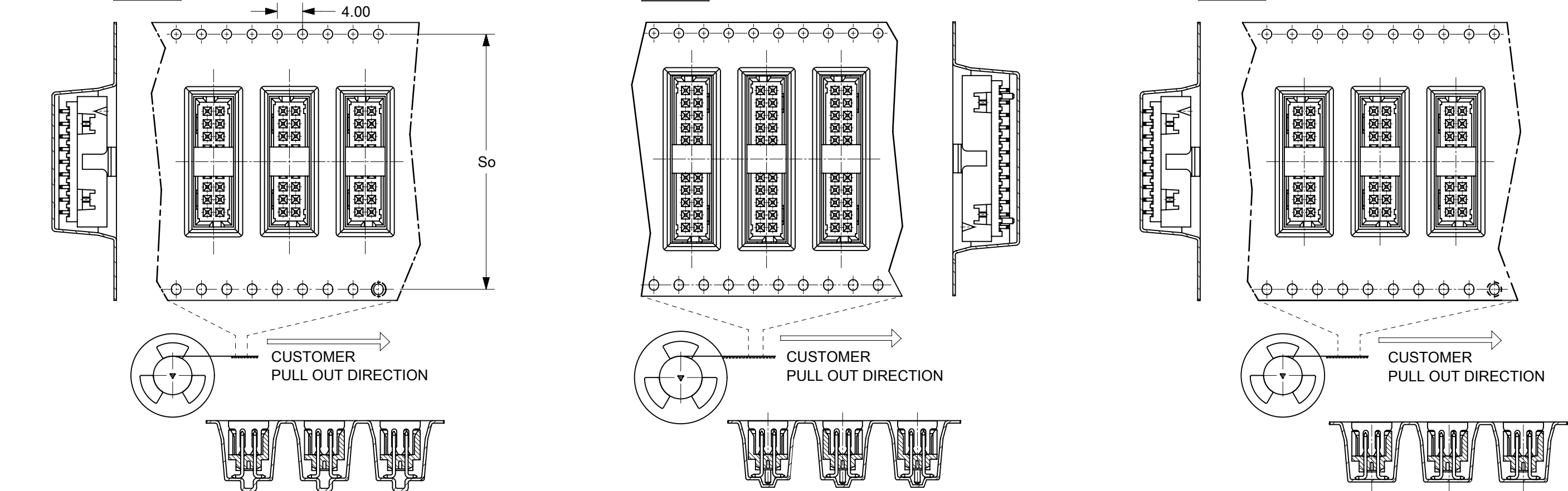
[illegible]

PACKAGING OPTIONS

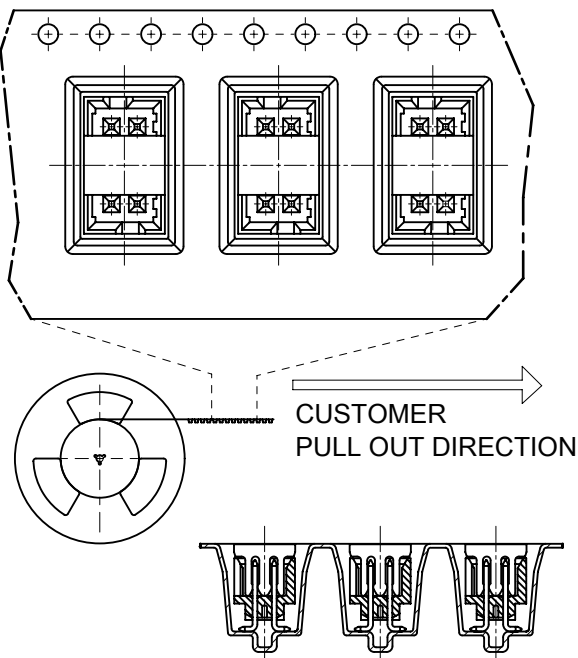
OPTION 1

OPTION 2

OPTION 3



VIEW FOR 1 SIDE PILOT HOLE



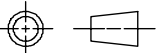
PACKAGING SPECIFICATION TABLE

|                                                                                          |              |
|------------------------------------------------------------------------------------------|--------------|
| TAPE AND REEL PACKAGING                                                                  | PK-87832-300 |
| TUBE STANDARD PACKAGING                                                                  | PK-87831-001 |
| TUBE NON-STANDARD PACKAGING FOR:<br>87832-0411<br>87832-0824<br>87832-1072<br>87832-1412 | PK-87831-002 |

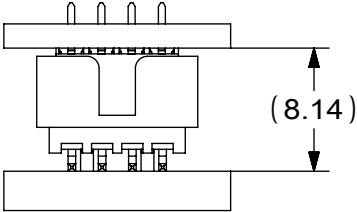
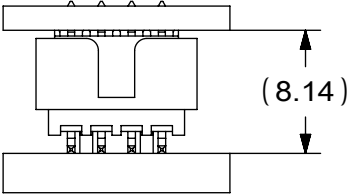
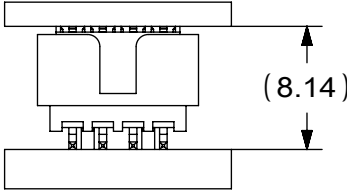
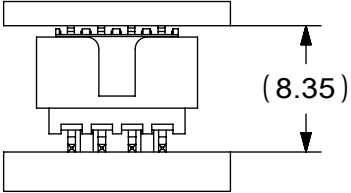
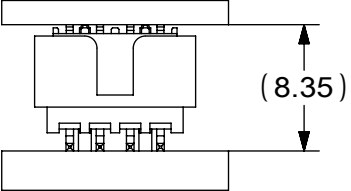
EMBOSSED TAPE & REEL POCKET DESCRIPTIONS

| OPTIONS | CENTER POLARIZATION OPTIONS |              | PEG OPTIONS |             | PILOT HOLE OPTIONS |          |
|---------|-----------------------------|--------------|-------------|-------------|--------------------|----------|
|         | ON THE LEFT                 | ON THE RIGHT | WITH PEG    | WITHOUT PEG | 2 SIDES            | 1 SIDE   |
| 1       | YES                         | N.A          | YES         | N.A         | CKT 12-50          | CKT 4-10 |
| 2       | N.A                         | YES          | YES         | YES         | CKT 12-50          | CKT 4-10 |
| 3       | YES                         | N.A          | N.A         | YES         | CKT 12-50          | CKT 4-10 |

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|                                                                          |                                                            |                                          |    |              |                 |                                                                                       |            |          |                                                                         |           |  |                |                 |  |
|--------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------|----|--------------|-----------------|---------------------------------------------------------------------------------------|------------|----------|-------------------------------------------------------------------------|-----------|--|----------------|-----------------|--|
| EC NO: 693462<br>DRWN: DANUSA<br>CHK'D: DANUSA<br>REV APPR: MRAMAKRISHNA | 2021/12/24                                                 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |    |              | DIMENSION UNITS |                                                                                       | SCALE      |          | <div>molex®</div>                                                       |           |  |                |                 |  |
|                                                                          | 2022/01/26                                                 |                                          |    |              | MM              |                                                                                       | NTS        |          |                                                                         |           |  |                |                 |  |
|                                                                          | 2022/01/27                                                 |                                          | MM | INCH         | DRWN BY         |                                                                                       | DATE       |          | <div>MILLIGRID</div> <div>2MM PITCH, SMT VERTICAL SHROUDED HEADER</div> |           |  |                |                 |  |
|                                                                          | 4 PLACES                                                   | ±                                        |    | ±            | GMENARLY        |                                                                                       | 2015/05/22 |          |                                                                         |           |  |                |                 |  |
|                                                                          | 3 PLACES                                                   | ±                                        |    | ±            | CHK'D BY        |                                                                                       | DATE       |          |                                                                         |           |  |                |                 |  |
|                                                                          | 2 PLACES                                                   | ± 0.2                                    |    | ±            | CGOH            |                                                                                       | 2015/09/21 |          |                                                                         |           |  |                |                 |  |
|                                                                          | 1 PLACES                                                   | ±                                        |    | ±            | APPR BY         |                                                                                       | DATE       |          |                                                                         |           |  |                |                 |  |
|                                                                          | 0 PLACES                                                   | ±                                        |    | ±            | KHLIM           |                                                                                       | 2015/09/22 |          | PRODUCT CUSTOMER DRAWING                                                |           |  |                |                 |  |
|                                                                          | ANGULAR TOL ± 3.0                                          |                                          |    | DRAWING SIZE |                 | THIRD ANGLE PROJECTION                                                                |            | SERIES   |                                                                         |           |  |                | MATERIAL NUMBER |  |
|                                                                          | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                          |    | A3           |                 |  |            | 87832    |                                                                         | SEE TABLE |  | GENERAL MARKET |                 |  |
| DOCUMENT NUMBER                                                          |                                                            |                                          |    |              |                 |                                                                                       |            | DOC TYPE |                                                                         | DOC PART  |  | SHEET NUMBER   |                 |  |
| SD-87832-0001                                                            |                                                            |                                          |    |              |                 |                                                                                       |            | PSD      |                                                                         | 001       |  | 12 OF 13       |                 |  |

BOARD TO BOARD (BTB) DISTANCE

| HEADER | MATES WITH<br>(RECEPTACLE) | BTB DIST. | PICTORIAL VIEW                                                                        |
|--------|----------------------------|-----------|---------------------------------------------------------------------------------------|
| 87832  | 79107                      | 8.14      |    |
|        | 78787                      | 8.14      |    |
|        | 79108                      | 8.14      |   |
|        | 79109                      | 8.35      |  |
|        | 78788                      | 8.35      |  |

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

|                                                            |       |                            |                    |
|------------------------------------------------------------|-------|----------------------------|--------------------|
| DIMENSION UNITS                                            |       | SCALE                      |                    |
| mm                                                         |       | NTS                        |                    |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                      |       |                            |                    |
|                                                            | MM    | INCH                       |                    |
| 4 PLACES                                                   | ±     | ±                          |                    |
| 3 PLACES                                                   | ±     | ±                          |                    |
| 2 PLACES                                                   | ± 0.2 | ±                          |                    |
| 1 PLACE                                                    | ±     | ±                          |                    |
| 0 PLACES                                                   | ±     | ±                          |                    |
| ANGULAR TOL                                                |       | ± 3.0 °                    |                    |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | THIRD ANGLE PROJECTION<br> | DRAWING<br>A3-SIZE |

CURRENT REV DESC:

EC NO: 693462  
DRWN: DANUSA 2021/12/24  
CHK'D: DANUSA 2022/01/26  
APPR: MRAMAKRISHNA 2022/01/27

INITIAL REVISION:  
DRWN: DRWN BY XXXX/XX/XX  
APPR: APPR BY XXXX/XX/XX

molex

2MM PITCH, SMT VERTICAL SHROUDED HEADER

PRODUCT CUSTOMER DRAWING

|                 |  |                |          |              |
|-----------------|--|----------------|----------|--------------|
| DOCUMENT NUMBER |  | DOC TYPE       | DOC PART | REVISION     |
| SD-87832-0001   |  | PSD            | 001      | A19          |
| MATERIAL NUMBER |  | CUSTOMER       |          | SHEET NUMBER |
|                 |  | GENERAL MARKET |          | 13 OF 13     |

|                 |    |              |                     |
|-----------------|----|--------------|---------------------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/01/27 04:45:23 |
|-----------------|----|--------------|---------------------|

FORMAT: Mfg-Prod-Header-IB-prod-A3  
REVISION: D  
DATE: 2018/01/15