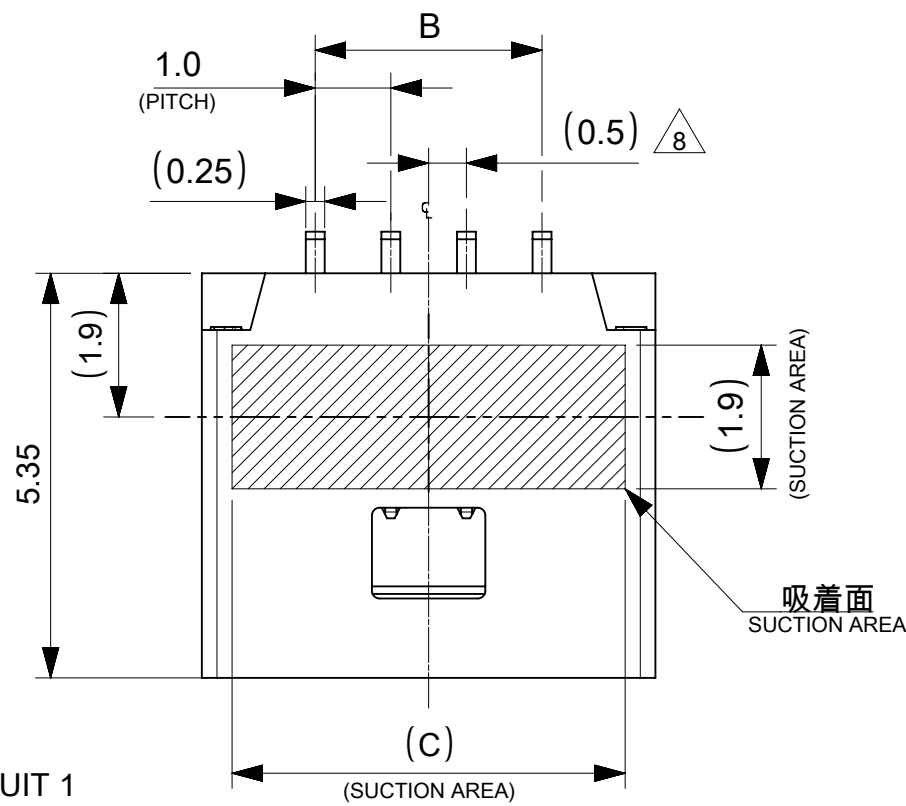
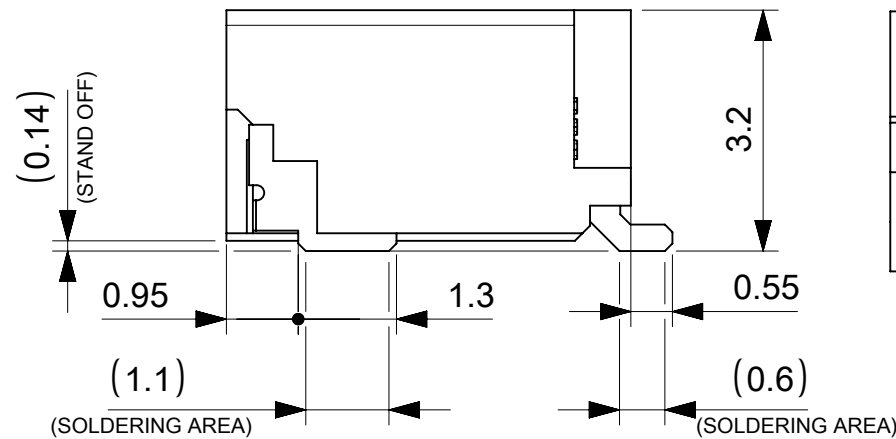
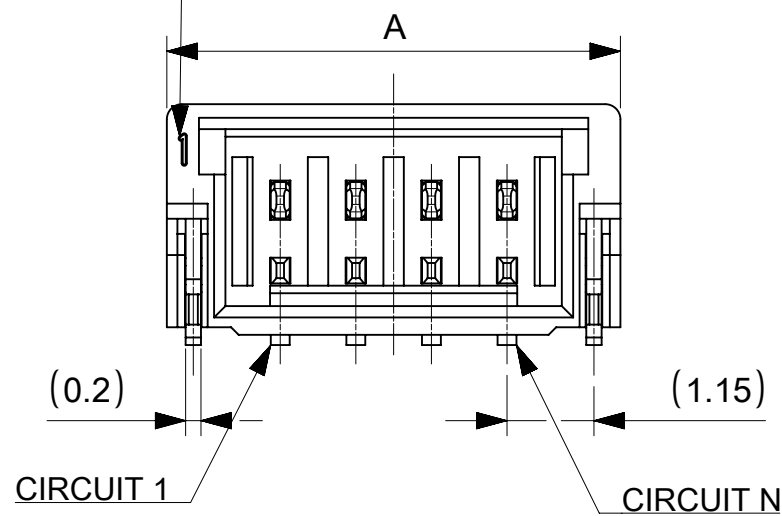


## NOTES

1. 本製品は極数によって、ロック形状が変わりますので御注意願います。  
THE LOCK SHAPE OF THIS PRODUCT CHANGES ACCORDING TO THE NUMBER OF CIRCUIT.  
2~5 CIRCUITS : フリクションロック FRICTION LOCK  
6~15 CIRCUITS : インナーポジティブロック INNER POSITIVE LOCK
2. 材料及び仕上げ(めっき仕様) : TABLE 1,2 参照  
MATERIAL AND FINISHES : SEE TABLE 1 AND 2
3. 製品仕様書 : 5013300001-PS 000  
PRODUCT SPECIFICATION:
4. 梱包形態 : SEE SHEET 4  
PACKAGING INFORMATION:
5. 嵌合相手 : 501330 シリーズ  
MATES WITH:501330 SERIES
6. アプリケーション仕様書(コネクタ取扱い説明書) : 5013300000-AS 000  
APPLICATION SPECIFICATION(CONNECTOR MANUAL):
7. ソルダピン及びネイルの平坦度:0.1 MAX.  
SOLDER PIN AND NAIL COPLANARITY: 0.1 MAX.
8. 偶数極に適用  
APPLY FOR EVEN CIRCUIT
9. その他金めっき厚品及び錫めっき品は以下の図面を御参照ください。  
PLEASE REFER TO THE FOLLOWING DRAWING  
FOR OTHER GOLD PLATING VERSION AND TIN PLATING VERSION.



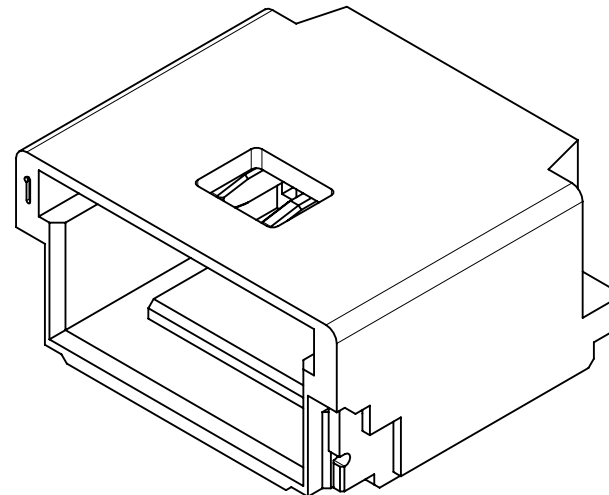
CIRCUIT 1  
INDICATOR MARK



| PLATING | PLATING THICKNESS<br>[micro-meter MIN.] | SERIES No. | DRAWING No.           |
|---------|-----------------------------------------|------------|-----------------------|
| TIN     | 1.0                                     | 501568     | 5015680000-SD PSD 000 |
| GOLD    | 0.1                                     | 202396     | 2023960000-SD PSD 000 |
|         | 0.38                                    | 203558     | 2035580000-SD PSD 000 |

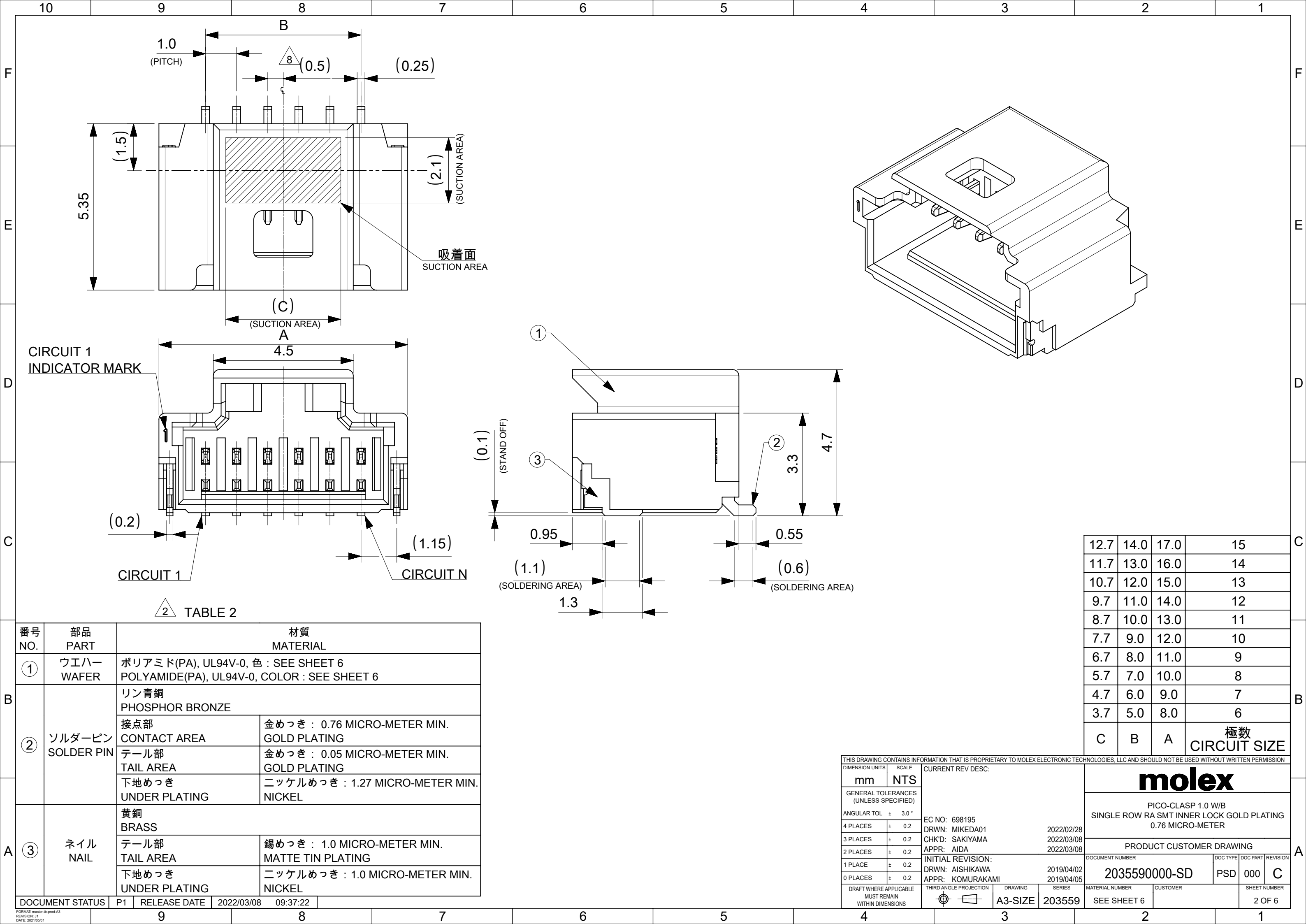
2 TABLE 1

| 番号<br>NO. | 部品<br>PART           | 材質<br>MATERIAL                                                                     |                                                  |
|-----------|----------------------|------------------------------------------------------------------------------------|--------------------------------------------------|
| ①         | ウエハー<br>WAFER        | ポリアミド(PA), UL94V-0, 色 : SEE SHEET 6<br>POLYAMIDE(PA), UL94V-0, COLOR : SEE SHEET 6 |                                                  |
| ②         | ソルダーピン<br>SOLDER PIN | リン青銅<br>PHOSPHOR BRONZE                                                            |                                                  |
|           |                      | 接点部<br>CONTACT AREA                                                                | 金めっき : 0.76 MICRO-METER MIN.<br>GOLD PLATING     |
|           |                      | テール部<br>TAIL AREA                                                                  | 金めっき : 0.05 MICRO-METER MIN.<br>GOLD PLATING     |
|           |                      | 下地めっき<br>UNDER PLATING                                                             | ニッケルめっき : 1.27 MICRO-METER MIN.<br>NICKEL        |
| ③         | ネイル<br>NAIL          | 黄銅<br>BRASS                                                                        |                                                  |
|           |                      | テール部<br>TAIL AREA                                                                  | 錫めっき : 1.0 MICRO-METER MIN.<br>MATTE TIN PLATING |
|           |                      | 下地めっき<br>UNDER PLATING                                                             | ニッケルめっき : 1.0 MICRO-METER MIN.<br>NICKEL         |



|     |     |     |                    |
|-----|-----|-----|--------------------|
| 6.2 | 4.0 | 7.0 | 5                  |
| 5.2 | 3.0 | 6.0 | 4                  |
| 4.2 | 2.0 | 5.0 | 3                  |
| 3.2 | 1.0 | 4.0 | 2                  |
| C   | B   | A   | 極數<br>CIRCUIT SIZE |

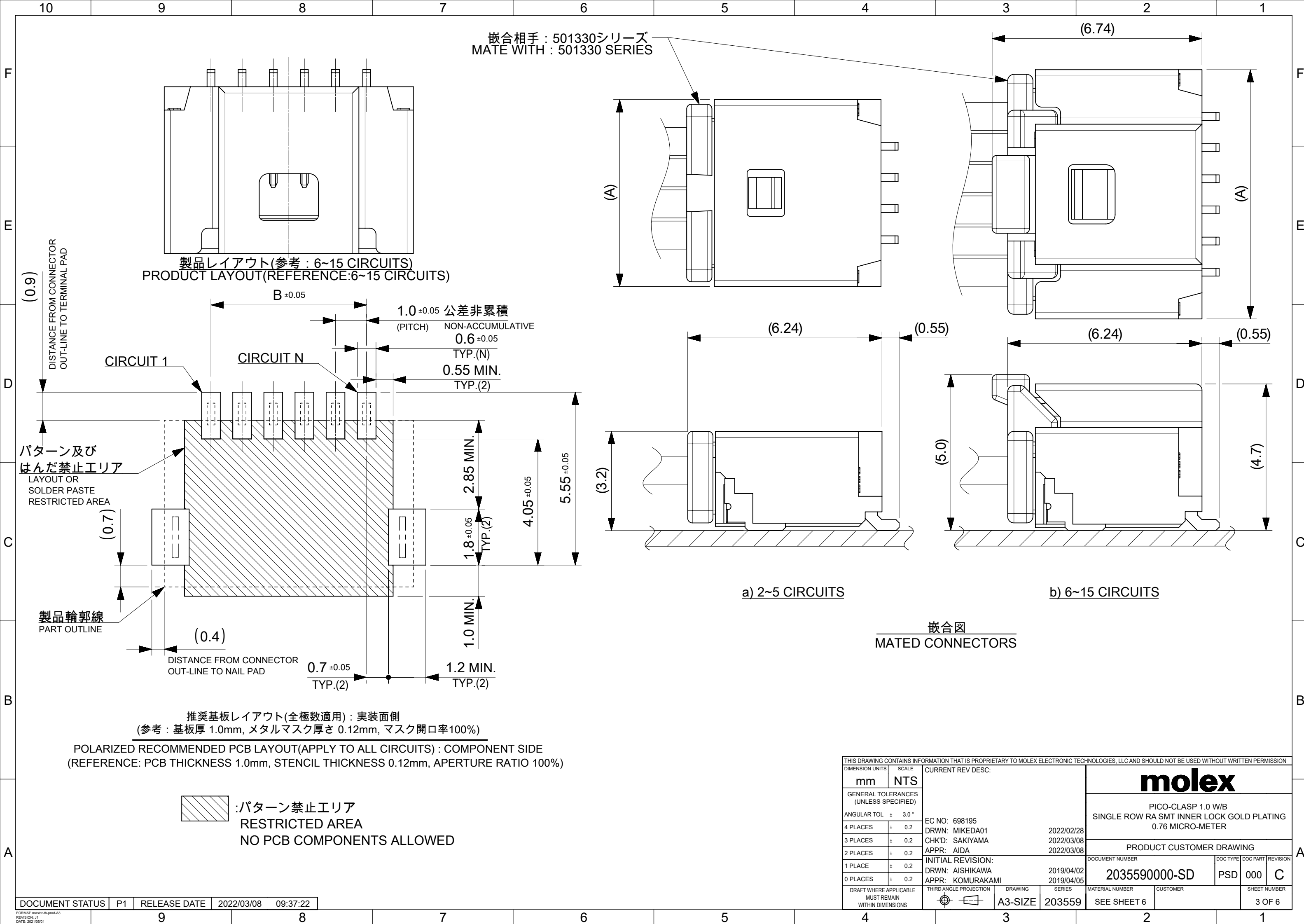
|                                                                                                                                               |  |                        |  |                                                    |  |                                                                                                                                                            |  |                 |  |          |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|----------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|--|----------|--|--------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                        |  |                                                    |  |                                                                                                                                                            |  |                 |  |          |  |              |  |
| DIMENSION UNITS                                                                                                                               |  | SCALE                  |  | CURRENT REV DESC:                                  |  | <div>molex</div> <div>PICO-CLASP 1.0 W/B<br/>SINGLE ROW RA SMT INNER LOCK GOLD PLATING<br/>0.76 MICRO-METER</div>                                          |  |                 |  |          |  |              |  |
| mm                                                                                                                                            |  | NTS                    |  |                                                    |  |                                                                                                                                                            |  |                 |  |          |  |              |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |                        |  |                                                    |  |                                                                                                                                                            |  |                 |  |          |  |              |  |
| ANGULAR TOL                                                                                                                                   |  | ± 3.0 °                |  |                                                    |  | PRODUCT CUSTOMER DRAWING                                                                                                                                   |  |                 |  |          |  |              |  |
| 4 PLACES                                                                                                                                      |  | ± 0.2                  |  | EC NO: 698195<br>DRWN: MIKEDA01<br>2022/02/28      |  | <div>DOCUMENT NUMBER</div> <div>2035590000-SD</div> <div>DOC TYPE</div> <div>PSD</div> <div>DOC PART</div> <div>000</div> <div>REVISION</div> <div>C</div> |  |                 |  |          |  |              |  |
| 3 PLACES                                                                                                                                      |  | ± 0.2                  |  | CHK'D: SAKIYAMA<br>2022/03/08                      |  |                                                                                                                                                            |  |                 |  |          |  |              |  |
| 2 PLACES                                                                                                                                      |  | ± 0.2                  |  | APPR: AIDA<br>2022/03/08                           |  |                                                                                                                                                            |  |                 |  |          |  |              |  |
| 1 PLACE                                                                                                                                       |  | ± 0.2                  |  | INITIAL REVISION:<br>DRWN: AISHIKAWA<br>2019/04/02 |  |                                                                                                                                                            |  |                 |  |          |  |              |  |
| 0 PLACES                                                                                                                                      |  | ± 0.2                  |  | APPR: KOMURAKAMI<br>2019/04/05                     |  |                                                                                                                                                            |  |                 |  |          |  |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  | THIRD ANGLE PROJECTION |  | DRAWING                                            |  | SERIES                                                                                                                                                     |  | MATERIAL NUMBER |  | CUSTOMER |  | SHEET NUMBER |  |
|                                                                                                                                               |  |                        |  | A3-SIZE                                            |  | 203559                                                                                                                                                     |  | SEE SHEET 6     |  |          |  | 1 OF 6       |  |

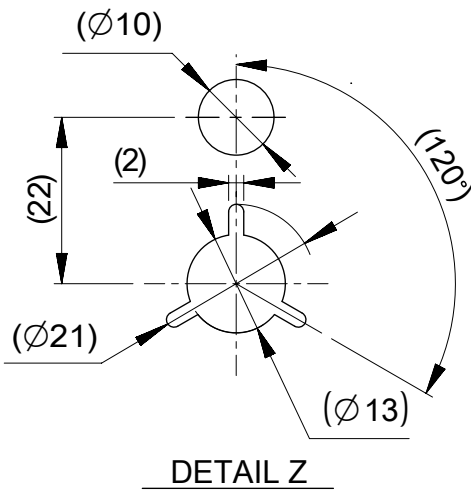
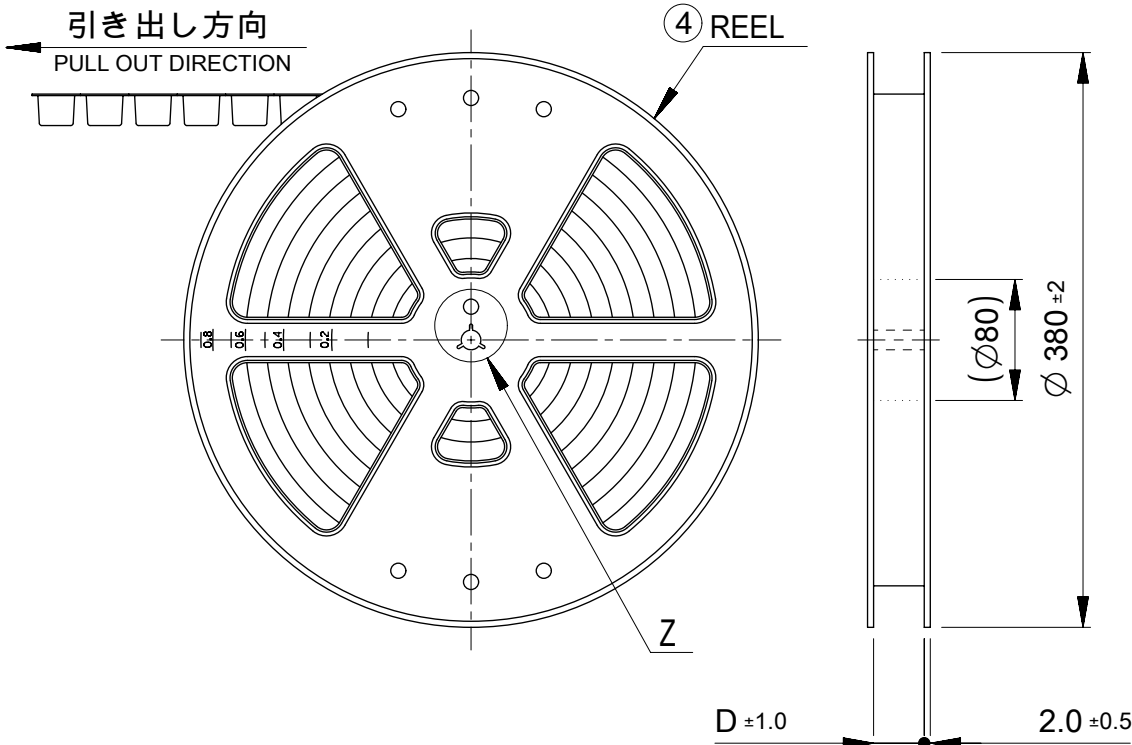


| 番号<br>NO.       | 部品<br>PART           | 材質<br>MATERIAL                                                                     |                                                  |
|-----------------|----------------------|------------------------------------------------------------------------------------|--------------------------------------------------|
| ①               | ウエハー<br>WAFER        | ポリアミド(PA), UL94V-0, 色 : SEE SHEET 6<br>POLYAMIDE(PA), UL94V-0, COLOR : SEE SHEET 6 |                                                  |
| ②               | ソルダーピン<br>SOLDER PIN | リン青銅<br>PHOSPHOR BRONZE                                                            |                                                  |
|                 |                      | 接点部<br>CONTACT AREA                                                                | 金めっき : 0.76 MICRO-METER MIN.<br>GOLD PLATING     |
|                 |                      | テール部<br>TAIL AREA                                                                  | 金めっき : 0.05 MICRO-METER MIN.<br>GOLD PLATING     |
| ③               | ネイル<br>NAIL          | 下地めっき<br>UNDER PLATING                                                             | ニッケルめっき : 1.27 MICRO-METER MIN.<br>NICKEL        |
|                 |                      | 黄銅<br>BRASS                                                                        |                                                  |
|                 |                      | テール部<br>TAIL AREA                                                                  | 錫めっき : 1.0 MICRO-METER MIN.<br>MATTE TIN PLATING |
|                 |                      | 下地めっき<br>UNDER PLATING                                                             | ニッケルめっき : 1.0 MICRO-METER MIN.<br>NICKEL         |
| DOCUMENT STATUS |                      | P1                                                                                 | RELEASE DATE 2022/03/08 09:37:22                 |

|      |      |      |                    |
|------|------|------|--------------------|
| 12.7 | 14.0 | 17.0 | 15                 |
| 11.7 | 13.0 | 16.0 | 14                 |
| 10.7 | 12.0 | 15.0 | 13                 |
| 9.7  | 11.0 | 14.0 | 12                 |
| 8.7  | 10.0 | 13.0 | 11                 |
| 7.7  | 9.0  | 12.0 | 10                 |
| 6.7  | 8.0  | 11.0 | 9                  |
| 5.7  | 7.0  | 10.0 | 8                  |
| 4.7  | 6.0  | 9.0  | 7                  |
| 3.7  | 5.0  | 8.0  | 6                  |
| C    | B    | A    | 極数<br>CIRCUIT SIZE |

|                                                                                                                                               |  |                        |  |                                                                                     |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|-------------------------------------------------------------------------------------|--|--|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  | CURRENT REV DESC:      |  | molex                                                                               |  |  |  |
| DIMENSION UNITS<br>mm                                                                                                                         |  | SCALE<br>NTS           |  | PICO-CLASP 1.0 W/B<br>SINGLE ROW RA SMT INNER LOCK GOLD PLATING<br>0.76 MICRO-METER |  |  |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  | ANGULAR TOL ± 3.0 °    |  | PRODUCT CUSTOMER DRAWING                                                            |  |  |  |
| 4 PLACES ± 0.2                                                                                                                                |  | 3 PLACES ± 0.2         |  | DOCUMENT NUMBER                                                                     |  |  |  |
| 3 PLACES ± 0.2                                                                                                                                |  | 2 PLACES ± 0.2         |  | 2035590000-SD                                                                       |  |  |  |
| 2 PLACES ± 0.2                                                                                                                                |  | 1 PLACE ± 0.2          |  | PSD 000 C                                                                           |  |  |  |
| 1 PLACE ± 0.2                                                                                                                                 |  | 0 PLACES ± 0.2         |  | SHEET NUMBER                                                                        |  |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  | THIRD ANGLE PROJECTION |  | 2 OF 6                                                                              |  |  |  |
| A3-SIZE                                                                                                                                       |  | 203559                 |  | SEE SHEET 6                                                                         |  |  |  |

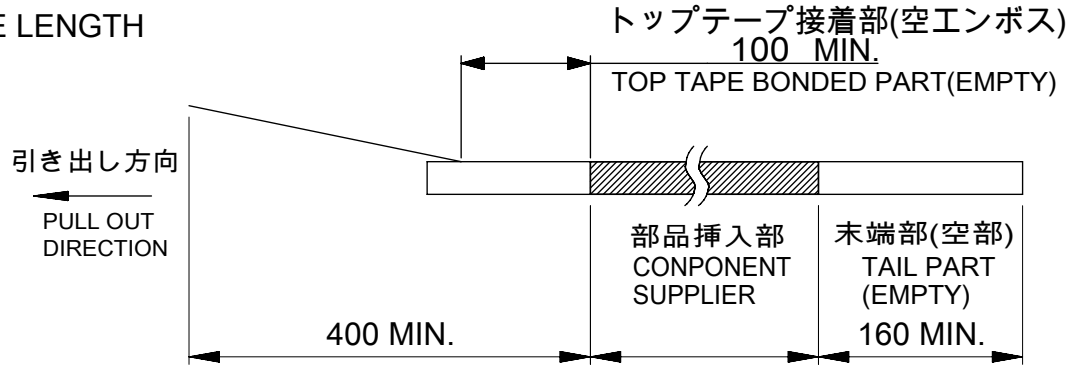




NOTES

10. 梱包数量  
2-5 CIRCUIT: 1700個/リール  
6-15 CIRCUIT: 1300個/リール  
NUMBER OF CONNECTORS  
2-5 CIRCUIT : 1700 PIECES/REEL  
6-15 CIRCUIT : 1300 PIECES/REEL

11. リードテープ長さ  
LEAD TAPE LENGTH



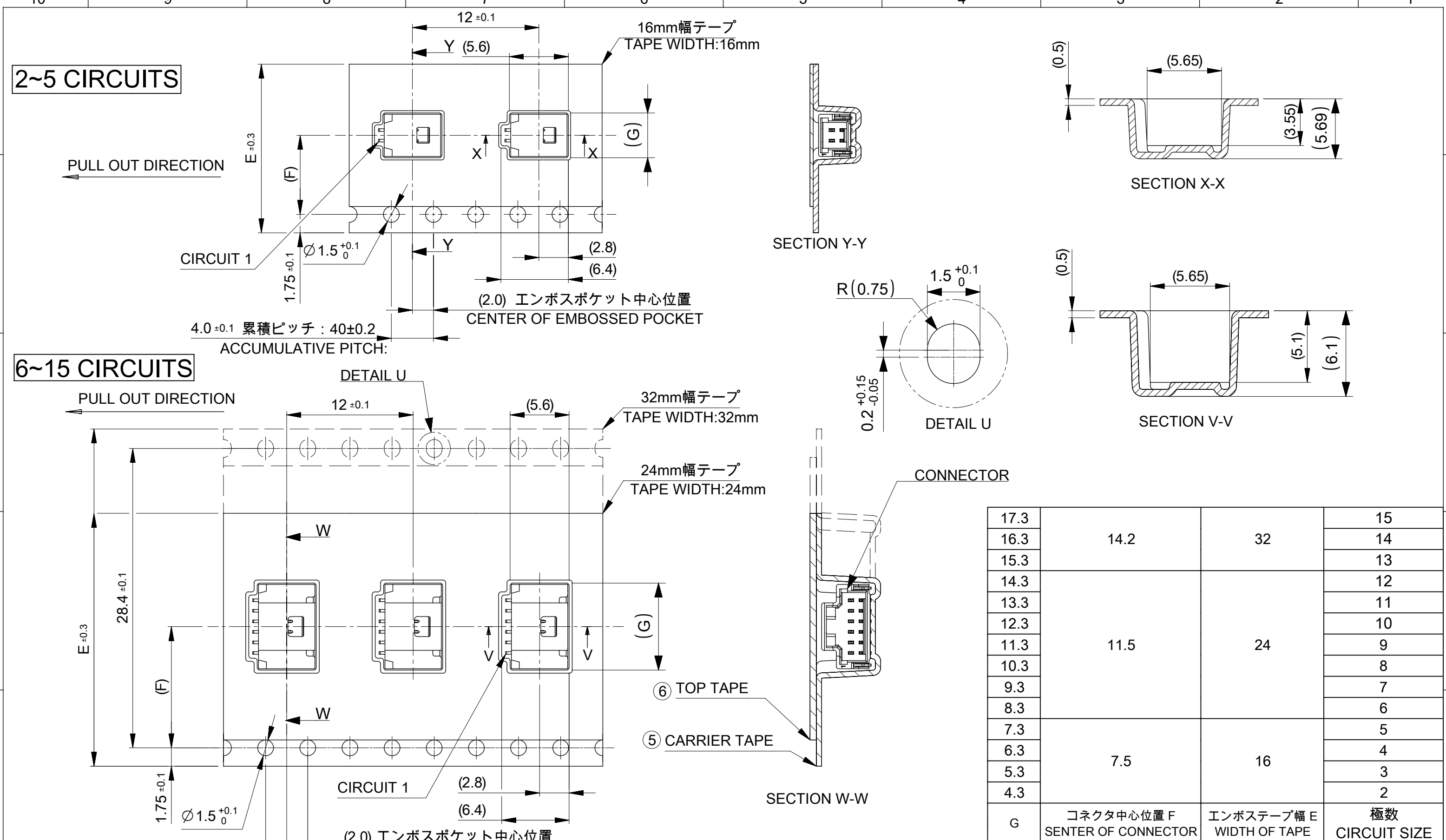
12. トップテープの剥離強度はIEC60286-3に準拠。  
TOP TAPE PEELING FORCE IS DEFINED BY IEC60286-3.
- △13 2~5極品は乾燥剤入り、ハイバリア梱包による納品となります。  
2~5 CIRCUITS IS DELIVERED IN A HIGH BARRIER PACKAGING WITH DESICCANT.
14. 梱包仕様書 : 2035599200 PS 200  
PACKAGE SPECIFICATION:
- △15 発注番号 : SHEET 6 参照  
ORDER No. : PLEASE REFER TO SHEET 6 FOR PRODUCT LIST.

203559 - \*\* \* \*

| 極数           | ハウジングカラー         | 製品識別番号                |
|--------------|------------------|-----------------------|
| CIRCUIT SIZE | HOUSING COLOR    | IDENTIFICATION NUMBER |
|              | 0:NATURAL(BEIGE) | 7:EMBOSSED PACKAGE    |

| 番号<br>NO.       | 部品<br>PART  | 材質<br>MATERIAL                                                         |
|-----------------|-------------|------------------------------------------------------------------------|
| ④               | リール<br>REEL | ポリスチレン(PS) <リサイクル材を含む><br>POLYSTYRENE(PS) <RECYCLE MATERIAL CONTAINED> |
| ④ REEL          |             |                                                                        |
| DOCUMENT STATUS | P1          | RELEASE DATE 2022/03/08 09:37:22                                       |

|                                                                                                                                               |         |                        |         |                 |                 |          |          |              |
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| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |         | CURRENT REV DESC:      |         | DOCUMENT NUMBER |                 | DOC TYPE | DOC PART | REVISION     |
| DIMENSION UNITS                                                                                                                               | SCALE   |                        |         |                 |                 |          |          |              |
| mm                                                                                                                                            | NTS     |                        |         |                 |                 |          |          |              |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |         |                        |         |                 |                 |          |          |              |
| ANGULAR TOL                                                                                                                                   | ± 3.0 ° |                        |         |                 |                 |          |          |              |
| 4 PLACES                                                                                                                                      | ± 0.2   |                        |         |                 |                 |          |          |              |
| 3 PLACES                                                                                                                                      | ± 0.2   |                        |         |                 |                 |          |          |              |
| 2 PLACES                                                                                                                                      | ± 0.2   |                        |         |                 |                 |          |          |              |
| 1 PLACE                                                                                                                                       | ± 0.2   |                        |         |                 |                 |          |          |              |
| 0 PLACES                                                                                                                                      | ± 0.2   |                        |         |                 |                 |          |          |              |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |         | THIRD ANGLE PROJECTION | DRAWING | SERIES          | MATERIAL NUMBER | CUSTOMER |          | SHEET NUMBER |
|                                                                                                                                               |         |                        | A3-SIZE | 203559          | SEE SHEET 6     |          |          | 4 OF 6       |



|      |                                  |                             |                    |
|------|----------------------------------|-----------------------------|--------------------|
| 17.3 | 14.2                             | 32                          | 15                 |
| 16.3 |                                  |                             | 14                 |
| 15.3 |                                  |                             | 13                 |
| 14.3 | 11.5                             | 24                          | 12                 |
| 13.3 |                                  |                             | 11                 |
| 12.3 |                                  |                             | 10                 |
| 11.3 |                                  |                             | 9                  |
| 10.3 |                                  |                             | 8                  |
| 9.3  |                                  |                             | 7                  |
| 8.3  | 7.5                              | 16                          | 6                  |
| 7.3  |                                  |                             | 5                  |
| 6.3  |                                  |                             | 4                  |
| 5.3  |                                  |                             | 3                  |
| 4.3  |                                  |                             | 2                  |
| G    | コネクタ中心位置 F<br>SENER OF CONNECTOR | エンボステープ幅 E<br>WIDTH OF TAPE | 極数<br>CIRCUIT SIZE |

| 番号<br>NO. | 部品<br>PART              | 材質<br>MATERIAL                            |
|-----------|-------------------------|-------------------------------------------|
| ⑤         | キャリアテープ<br>CARRIER TAPE | ポリプロピレン(PP)、その他<br>POLYPROPYLENE(PP), etc |
| ⑥         | トップテープ<br>TOP TAPE      | ポリエチレン(PE)、その他<br>POLYETHYLENE(PE), etc   |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/03/08 | 09:37:22 |
|-----------------|----|--------------|------------|----------|

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| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |         |  |                             |  |                 |                                           |              |  |
| DIMENSION UNITS                                                                                                                               |  | SCALE   |  | CURRENT REV DESC:           |  |                 | <b>molex</b>                              |              |  |
| mm                                                                                                                                            |  | NTS     |  |                             |  |                 |                                           |              |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |         |  |                             |  |                 | PICO-CLASP 1.0 W/B                        |              |  |
| ANGULAR TOL ± 3.0 °                                                                                                                           |  |         |  |                             |  |                 | SINGLE ROW RA SMT INNER LOCK GOLD PLATING |              |  |
| 4 PLACES ± 0.2                                                                                                                                |  |         |  |                             |  |                 | 0.76 MICRO-METER                          |              |  |
| 3 PLACES ± 0.2                                                                                                                                |  |         |  | EC NO: 698195               |  |                 | PRODUCT CUSTOMER DRAWING                  |              |  |
| 2 PLACES ± 0.2                                                                                                                                |  |         |  | DRWN: MIKEDA01 2022/02/28   |  |                 |                                           |              |  |
| 1 PLACE ± 0.2                                                                                                                                 |  |         |  | CHK'D: SAKIYAMA 2022/03/08  |  |                 |                                           |              |  |
| 0 PLACES ± 0.2                                                                                                                                |  |         |  | APPR: AIDA 2022/03/08       |  |                 | DOCUMENT NUMBER                           |              |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |  |         |  | INITIAL REVISION:           |  |                 | 2035590000-SD                             |              |  |
|                                                                                                                                               |  |         |  | DRWN: AISHIKAWA 2019/04/02  |  |                 | DOC TYPE                                  |              |  |
|                                                                                                                                               |  |         |  | APPR: KOMURAKAMI 2019/04/05 |  |                 | PSD                                       |              |  |
| THIRD ANGLE PROJECTION                                                                                                                        |  | DRAWING |  | SERIES                      |  | MATERIAL NUMBER |                                           | CUSTOMER     |  |
|                                                          |  | A3-SIZE |  | 203559                      |  | SEE SHEET 6     |                                           | SHEET NUMBER |  |
|                                                                                                                                               |  |         |  |                             |  |                 |                                           | 5 OF 6       |  |

|    |   |   |   |   |   |   |   |   |   |
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| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
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