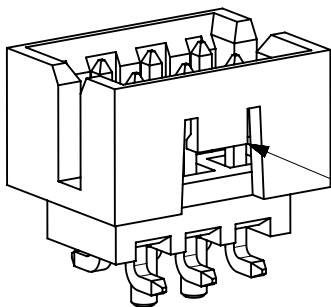
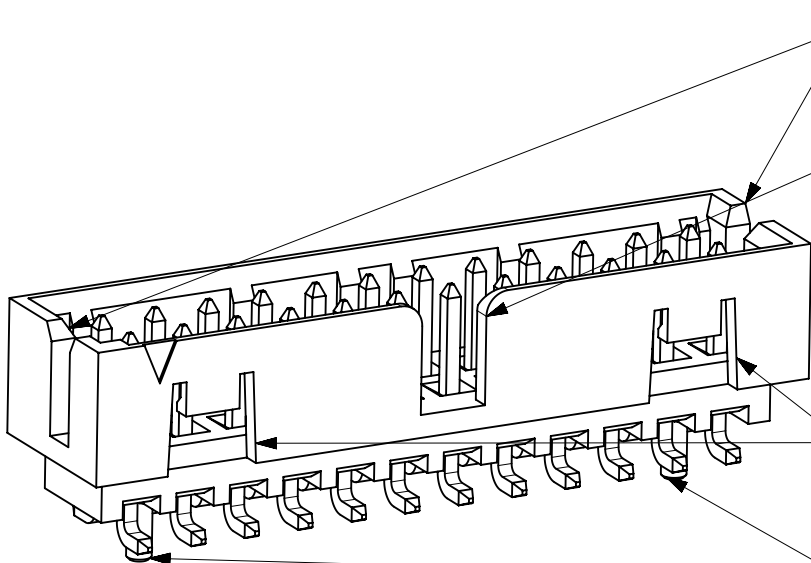


FEATURES SELECTION GUIDE



2 CENTER LOCK



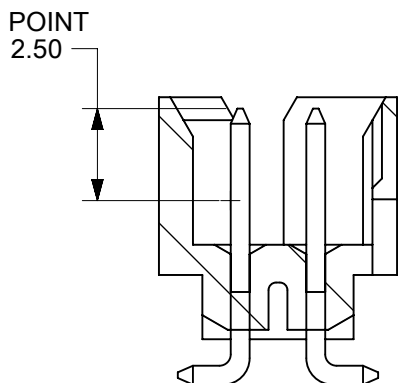
3 DUAL SIDE SLOTS

4 CENTER POLARIZATION

1 DUAL LOCKS

5 PEGS

PLATING MEASUREMENT

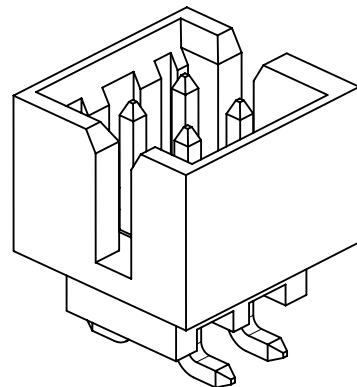
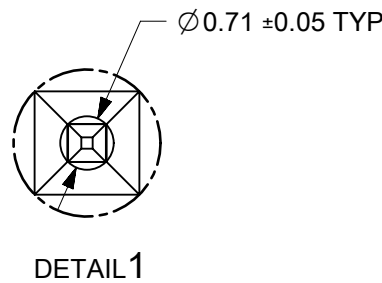
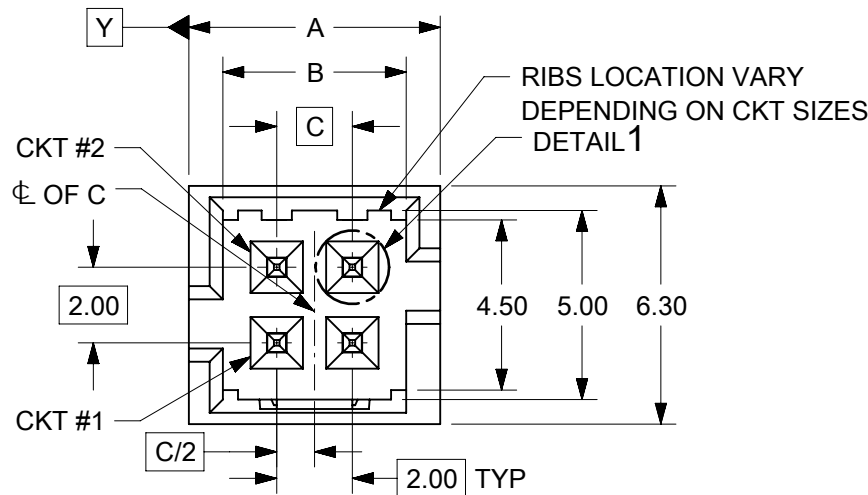


CIRCUIT SIZE	FEATURES					SHEET NO
	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	
	① DUAL	② CENTER				
4	N.A	N.A	YES	N.A	N.A	2 - 3
	N.A	YES	YES	N.A	N.A	
6	N.A	N.A	YES	N.A	N.A	4 - 5
	N.A	N.A	YES	N.A	YES	
	N.A	N.A	YES	YES	N.A	
	N.A	YES	YES	N.A	N.A	
	N.A	YES	YES	N.A	YES	
8 TO 12	N.A	N.A	YES	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	

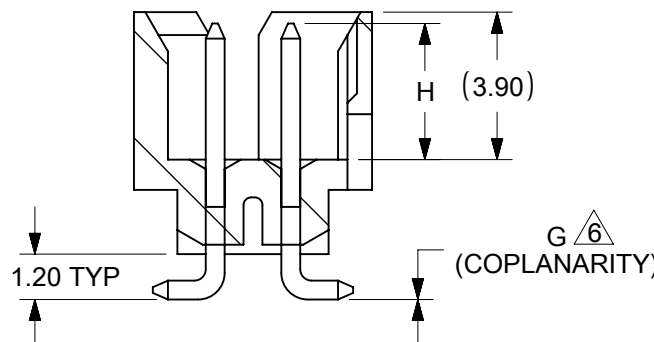
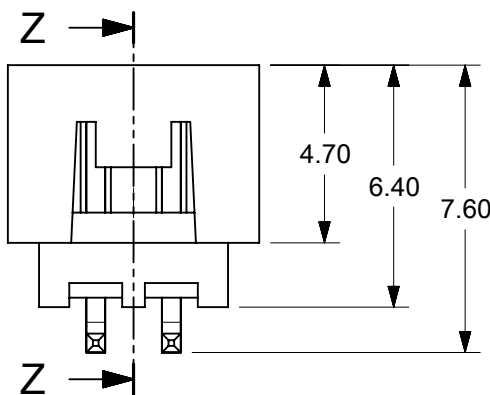
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
EC NO: 693462 DRWN: DANUSA CHK'D: DANUSA REV / APPR: MIRAMAKRISHNA	2021/12/24 2022/01/26 2022/01/27	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex® MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER							
			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 MUST REMAIN WITHIN DIMENSIONS			A3					DOCUMENT NUMBER			DOC TYPE	DOC PART	SHEET NUMBER	
										SD-87832-0001			PSD	001	1 OF 13	
A19		REV														

RELEASE STATUS	P1	RELEASE DATE	2022/01/27	04:45:23
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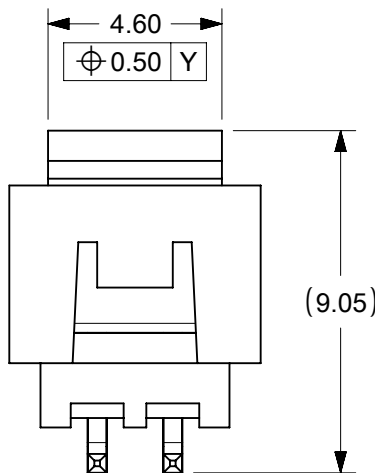
4 CIRCUITS



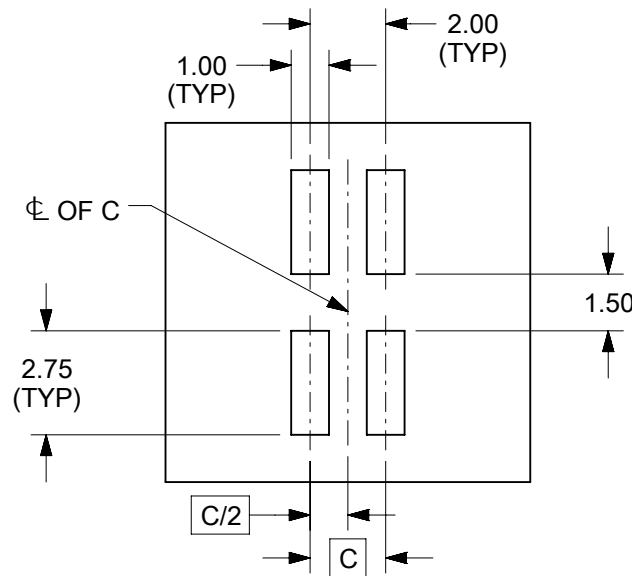
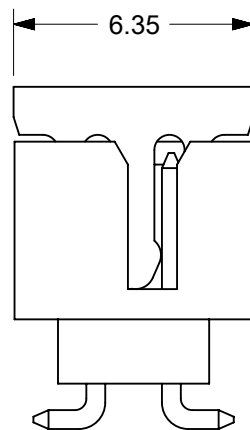
ISO VIEW OF HEADER
WITH ONLY DUAL SLOTS



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 DRWN: DANUSA CHK'D: DANUSA REV APPR: MIRAMAKRISHNA	2021/12/24 2022/01/26 2022/01/27	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®				
			MM	INCH	DRWN BY		DATE						
		4 PLACES	±	±	GMENARLY		2015/05/22						
		3 PLACES	±	±	CHK'D BY		DATE		MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER				
		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 MUST REMAIN WITHIN DIMENSIONS			A3				87832	SEE TABLE		GENERAL MARKET	
		A19	REV						DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER
								SD-87832-0001		PSD	001	2 OF 13	

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4 CIRCUITS

CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	DIMENSION							
						DUAL	CENTER				A	B	C	D	E	F	G (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
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.

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EC NO: 693462 DRWN: DANUSA CHK'D: DANUSA REV APPR: MIRAMAKRISHNA	2021/12/24 2022/01/26 2022/01/27	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®									
				MM		NTS											
				MM		INCH		DRWN BY		DATE		MILLIGRID 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 MUST REMAIN WITHIN DIMENSIONS		A3				87832		SEE TABLE		GENERAL MARKET			
A19		REV							DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER		
										SD-87832-0001		PSD		001		3 OF 13	

RELEASE STATUS

P1

RELEASE DATE

2022/01/27 04:45:23

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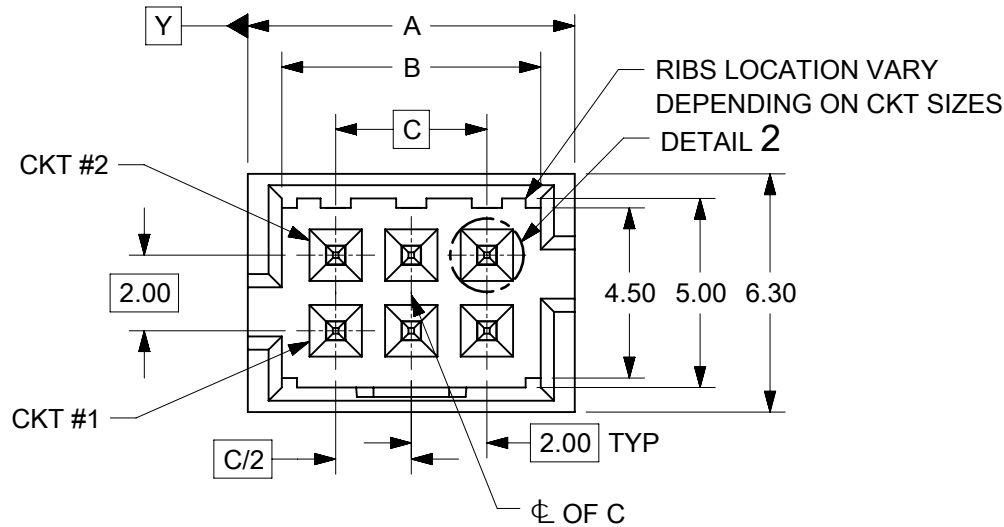
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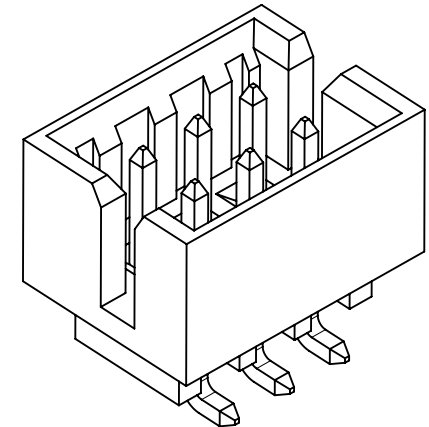
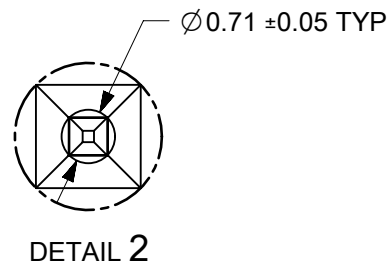
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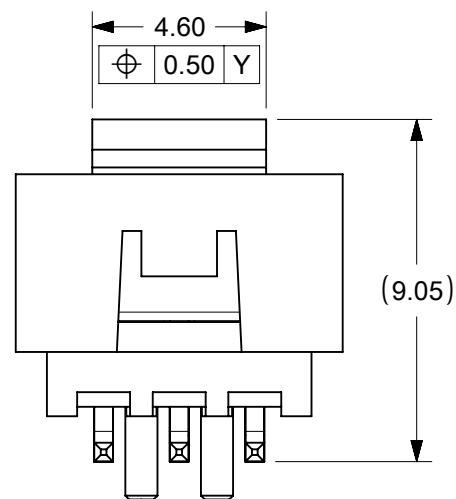
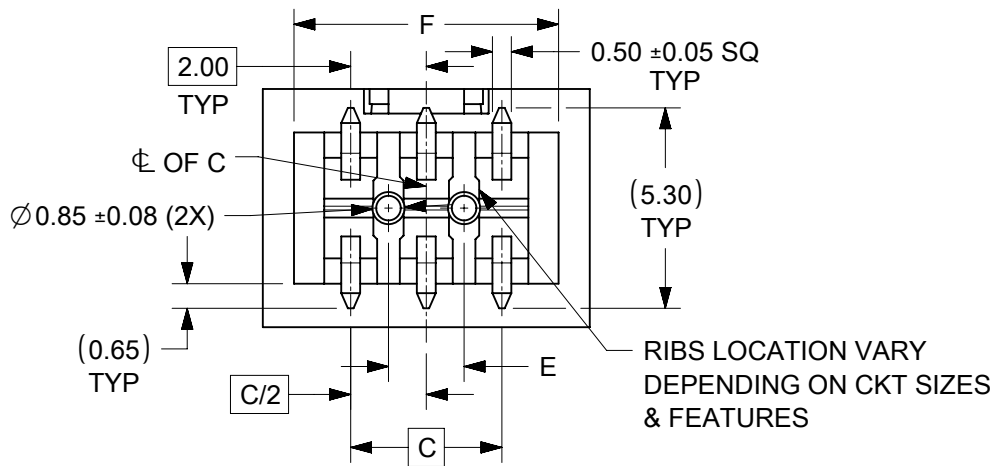
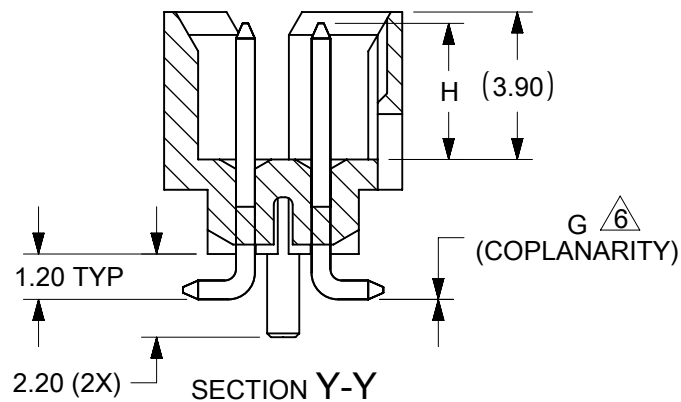
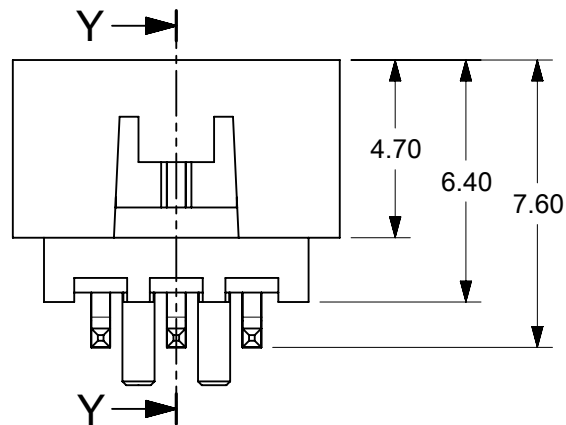
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REVISION: C
DATE: 2017/02/08



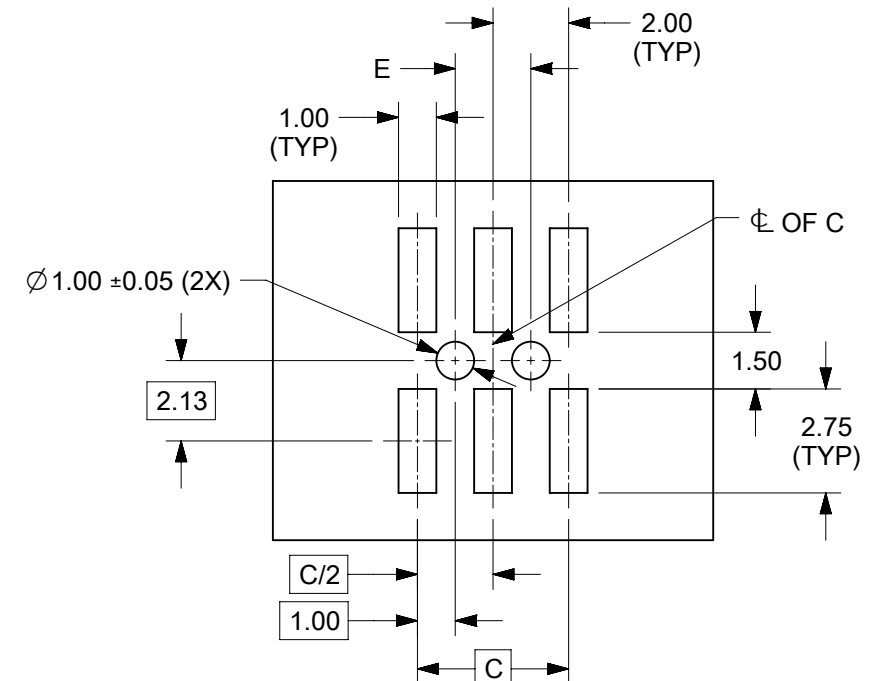
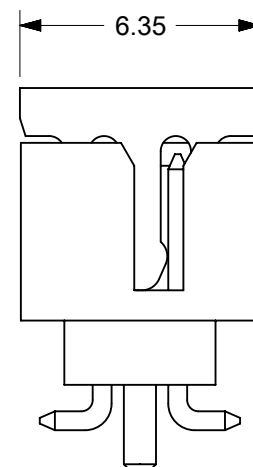
6 CIRCUITS



VIEW FOR HEADER WITH ONLY DUAL SLOTS



VIEW FOR HEADER WITH CAP



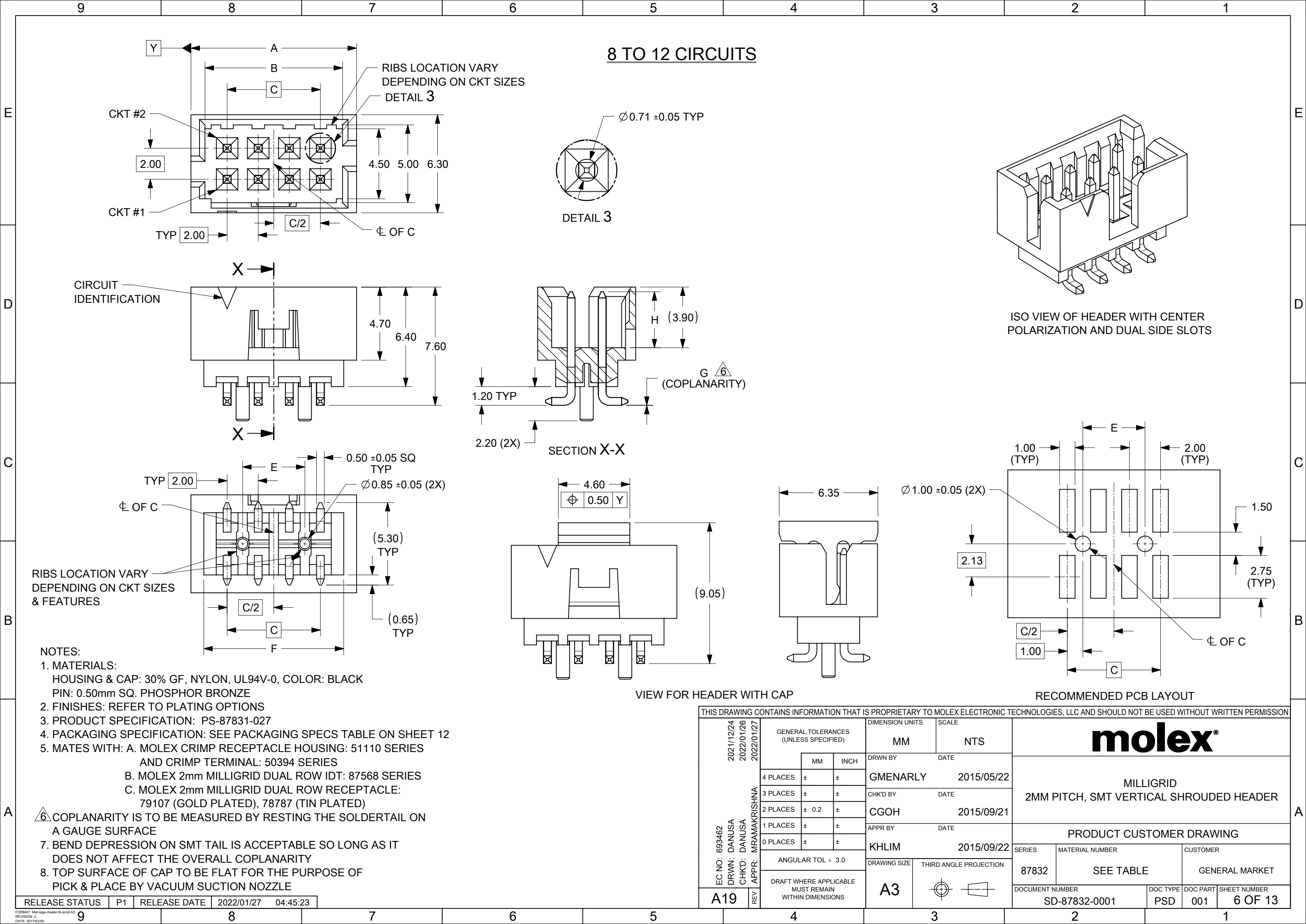
RECOMMENDED PCB LAYOUT

NOTES:

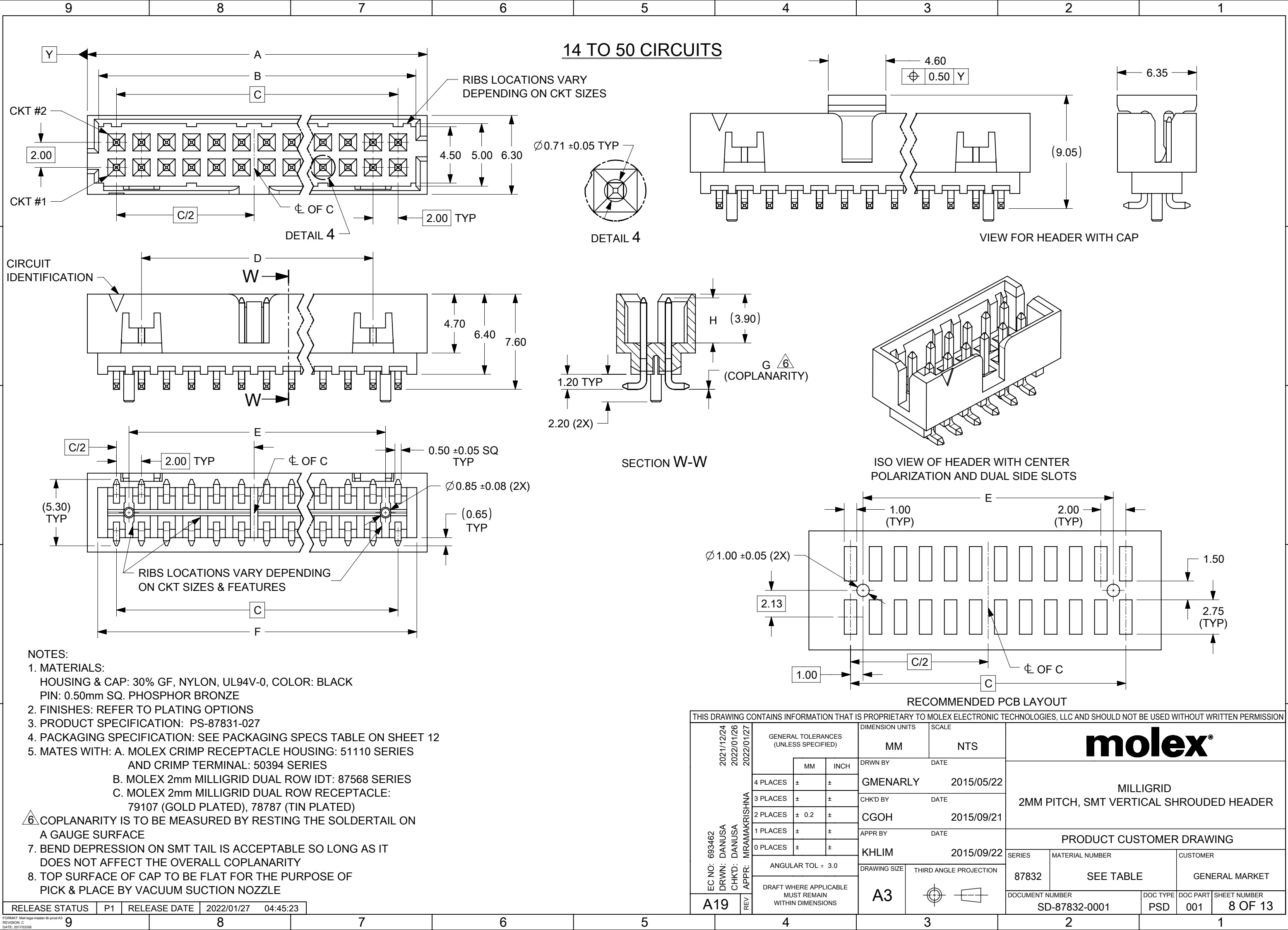
- MATERIALS:
HOUSING & CAP: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50mm SQ. PHOSPHOR BRONZE
 - FINISHES: REFER TO PLATING OPTIONS
 - PRODUCT SPECIFICATION: PS-87831-027
 - PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 12
 - MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES 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
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RELEASE STATUS	P1	RELEASE DATE	2022/01/27	04:45:23
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EC NO: 693462 DRWN: DANUSA CHK'D: DANUSA APPR: MRAMAKRISHNA	2021/12/24 2022/01/26 2022/01/27	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®				
					MM		NTS						
			MM	INCH	DRWN BY		DATE		MILLIGRID 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						
		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 MUST REMAIN WITHIN DIMENSIONS							87832	SEE TABLE		GENERAL MARKET	
A3							DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER		
							SD-87832-0001		PSD	001	4 OF 13		



9		8		7		6		5		4		3		2		1																																																																																																																														
8 TO 12 CIRCUITS																																																																																																																																														
E	CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	ASSY P/N WITHOUT CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZ ATION	PEGS	DIMENSION																																																																																																																																	
								DUAL	CENTER				A	B	C	D	E	F	G (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																																																																																																																																							
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		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																																																																																																																																		
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	87832-1019	87832-1045	87832-1035		1	1														N.A	YES	YES	N.A	YES	0.10	3.60±0.15																																																																																																																				
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87832-1010	87832-1008	87832-1006		1	2	N.A								YES	YES	N.A	YES	0.10	3.60±0.20																																																																																																																											
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87832-1004	N.A	N.A		N.A	2	N.A	YES	YES	N.A	YES	0.10	3.60±0.20																																																																																																																																		
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	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																																																																																																																																	
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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																																																																																																																																							
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		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																																																																																																																			
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		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	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. RELEASE STATUS P1 RELEASE DATE 2022/01/27 04:45:23																																																																																																																																													
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION <table><tr><td rowspan="10">EC NO: 693462 DRWN: DANUSA CHK'D: DANUSA REV APPR: MRAMAKRISHNA</td><td rowspan="10">2021/12/24 2022/01/26 2022/01/27</td><td colspan="3">GENERAL TOLERANCES (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 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></tr><tr><td colspan="3">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">DRAWING SIZE</td><td colspan="2">THIRD ANGLE PROJECTION</td><td colspan="5" rowspan="2">87832 SEE TABLE GENERAL MARKET</td></tr><tr><td colspan="2">A3</td><td colspan="2"></td></tr><tr><td colspan="5"></td><td colspan="3">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="5"></td><td colspan="3">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 DRWN: DANUSA CHK'D: DANUSA REV APPR: MRAMAKRISHNA	2021/12/24 2022/01/26 2022/01/27	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®						MM	INCH	MM	NTS	4 PLACES	±		±	DRWN BY		DATE		MILLIGRID 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		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRAWING SIZE		THIRD ANGLE PROJECTION		87832 SEE TABLE GENERAL MARKET					A3									DOCUMENT NUMBER			DOC TYPE		DOC PART		SHEET NUMBER							SD-87832-0001			PSD		001		7 OF 13	
	EC NO: 693462 DRWN: DANUSA CHK'D: DANUSA REV APPR: MRAMAKRISHNA	2021/12/24 2022/01/26 2022/01/27	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®																																																																																																																																				
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			1 PLACES	±		±	CGOH		2015/09/21																																																																																																																																					
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9		8		7		6		5		4		3		2		1																	
14 TO 24 CIRCUITS																																	
CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	ASSY P/N WITHOUT CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZA TION	PEGS	DIMENSION								So (T&R)													
							DUAL	CENTER				A	B	C	D	E	F	G (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 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 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									0.15	3.60±0.20	28.40											
	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 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									0.15	3.60±0.20												
	87832-1813	87832-1817	87832-1815		3	3	YES	N.A	YES	YES	N.A						0.15	3.60±0.20															
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 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 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 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															
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EC NO: 693462 DRWN: DANUSA CHK'D: DANUSA APPR: MIRAMAKRISHNA		2021/12/24 2022/01/26 2022/01/27	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex® MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER																							
				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																										
			1 PLACES	±	±	APPR BY	DATE																										
			0 PLACES	±	±	KHLIM	2015/09/22																										
			ANGULAR TOL ± 3.0			DRAWING SIZE	THIRD ANGLE PROJECTION			87832 SEE TABLE GENERAL MARKET																							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3																											
			A19		REV									DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER													
											SD-87832-0001		PSD		001		9 OF 13																
RELEASE STATUS		P1	RELEASE DATE		2022/01/27	04:45:23						9		8		7		6		5		4		3		2		1					
FORMATT: Met-lega-master-ib-prod-A3																																	
REVISION: C																																	
DATE: 2017/02/06																																	

9		8		7		6		5		4		3		2		1											
26 TO 38 CIRCUITS																											
CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	ASSY P/N WITHOUT CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZA TION	PEGS	DIMENSION															
							DUAL	CENTER				A	B	C	D	E	F	G (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																					
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.																											
RELEASE STATUS	P1	RELEASE DATE	2022/01/27	04:45:23																							
9		8		7		6		5		4		3		2		1											

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2021/12/24
2022/01/26
2022/01/27

EC NO: 693462
DRWN: DANUSA
CHK'D: DANUSA
APPR: MIRAMAKRISHNA

REV

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

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

10 OF 13

9		8		7		6		5		4		3		2		1			
40 TO 50 CIRCUITS																			
CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	ASSY P/N WITHOUT CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZA TION	PEGS	DIMENSION							
							DUAL	CENTER				A	B	C	D	E	F	G (COPLAN)	H
40	87832-4060	87832-4062	87832-6962		1	1	YES	N.A	YES	YES	YES	42.65	40.85	38.00	34.00	36.00	41.00	0.15	3.60±0.20
	87832-4020	87832-4022	87832-6922		1	2													
	87832-4021	87832-4023	87832-6923		1	3													
	87832-4070	87832-4072	87832-6972		1	4													
	87832-4012	87832-4016	N.A		N.A	2	YES	N.A	YES	YES	N.A							0.15	3.60±0.20
42	87832-4260	87832-4262	N.A		N.A	1	YES	N.A	YES	YES	YES	44.65	42.85	40.00	36.00	38.00	43.00	0.15	3.60±0.20
	87832-4220	87832-4222	87832-4230		N.A	2													
	87832-4221	87832-4223	N.A		N.A	3													
	87832-4270	87832-4272	N.A		N.A	4													
44	87832-4460	87832-4462	87832-7162		1	1	YES	N.A	YES	YES	YES	46.65	44.85	42.00	38.00	40.00	45.00	0.15	3.60±0.20
	87832-4420	87832-4422	87832-7122		1	2													
	87832-4421	87832-4423	87832-7123		1	3													
	87832-4470	87832-4472	87832-7172		1	4													
	87832-4413	87832-4417	87832-4415		3	3	YES	N.A	YES	YES	N.A							0.15	3.60±0.20
46	87832-4660	87832-4662	87832-7262		1	1	YES	N.A	YES	YES	YES	48.65	46.85	44.00	40.00	42.00	47.00	0.15	3.60±0.20
	87832-4620	87832-4622	87832-7222	87832-7230	1	2													
	87832-4621	87832-4623	N.A		N.A	3													
	87832-4670	87832-4672	87832-7272		1	4													
48	87832-4860	87832-4862	N.A		N.A	1	YES	N.A	YES	YES	YES	50.65	48.85	46.00	42.00	44.00	49.00	0.15	3.60±0.20
	87832-4820	87832-4822	N.A		N.A	2													
	87832-4821	87832-4823	N.A		N.A	3													
	87832-4870	87832-4872	N.A		N.A	4													
50	87832-5060	87832-5062	87832-7462		1	1	YES	N.A	YES	YES	YES	52.65	50.85	48.00	44.00	46.00	51.00	0.15	3.60±0.20
	87832-5020	87832-5022	87832-7422		1	2													
	87832-5021	87832-5023	87832-7423		1	3													
	87832-5070	87832-5072	87832-7472		1	4													
	87832-5012	87832-5016	N.A		N.A	2	YES	N.A	YES	YES	N.A							0.15	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. RELEASE STATUS P1 RELEASE DATE 2022/01/27 04:45:23																			

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EC NO: 693462

DRWN: DANUSA

CHK'D: DANUSA

REV

2021/12/24

2022/01/26

2022/01/27

MRAMAKRISHNA

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

NTS

SCALE

DRWN BY

DATE

GMENARLY

2015/05/22

CHK'D BY

DATE

CGOH

2015/09/21

APPR BY

DATE

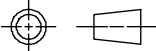
KHLIM

2015/09/22

DRAWING SIZE

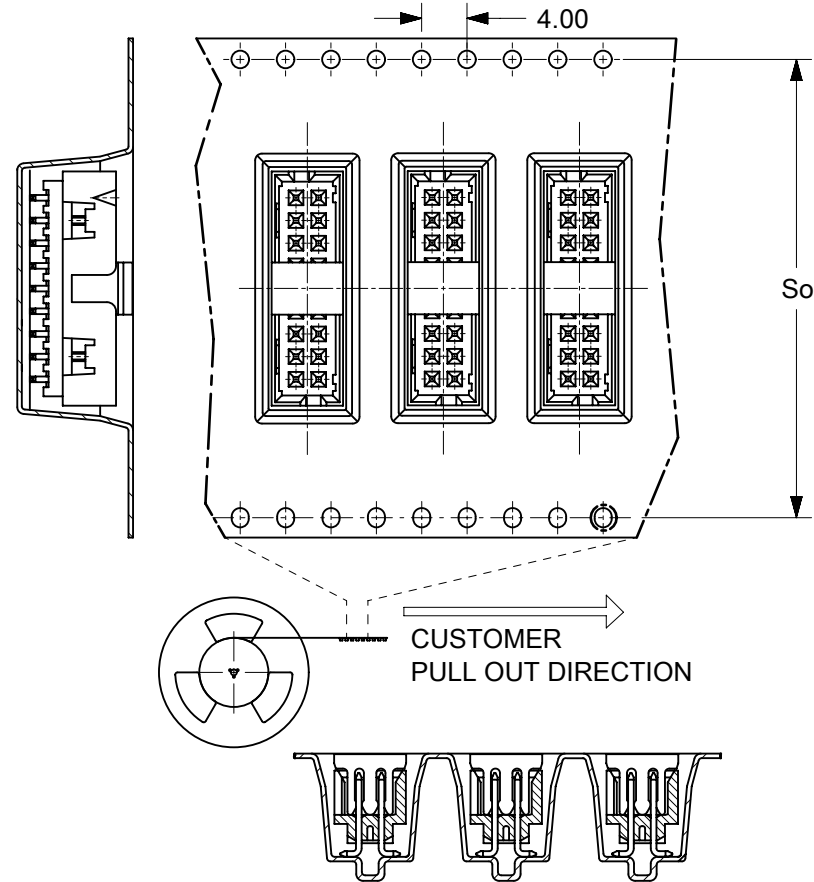
THIRD ANGLE PROJECTION

A3

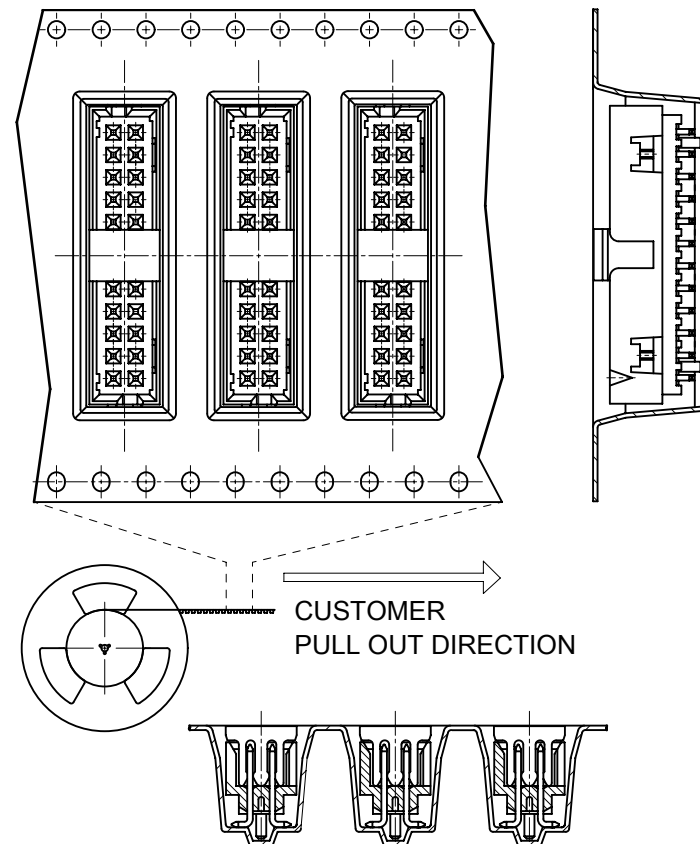


PACKAGING OPTIONS

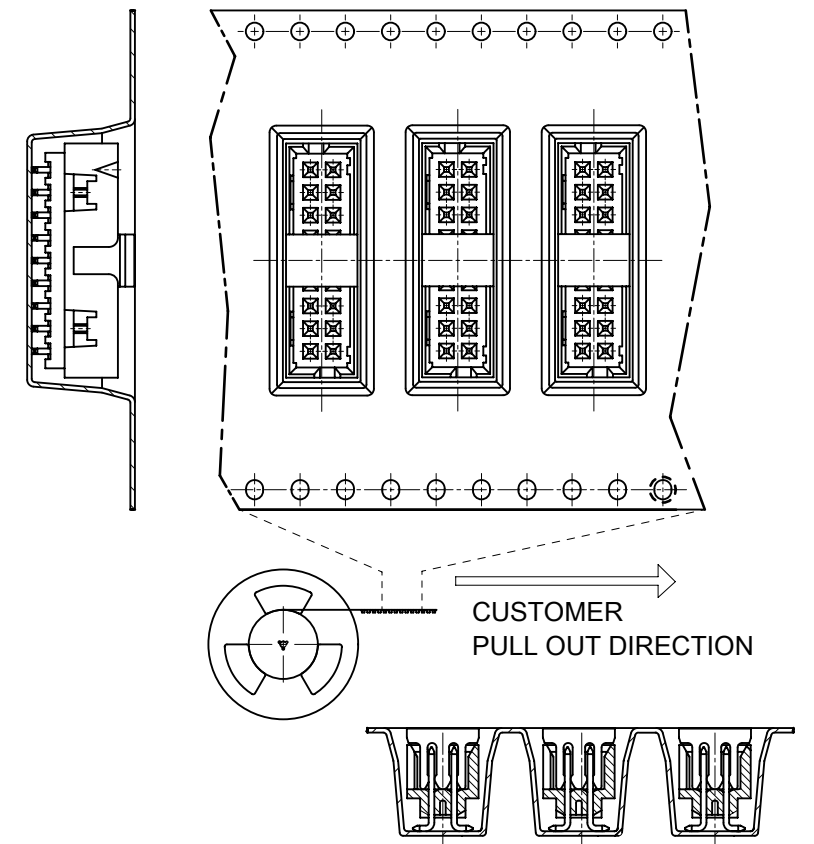
OPTION 1



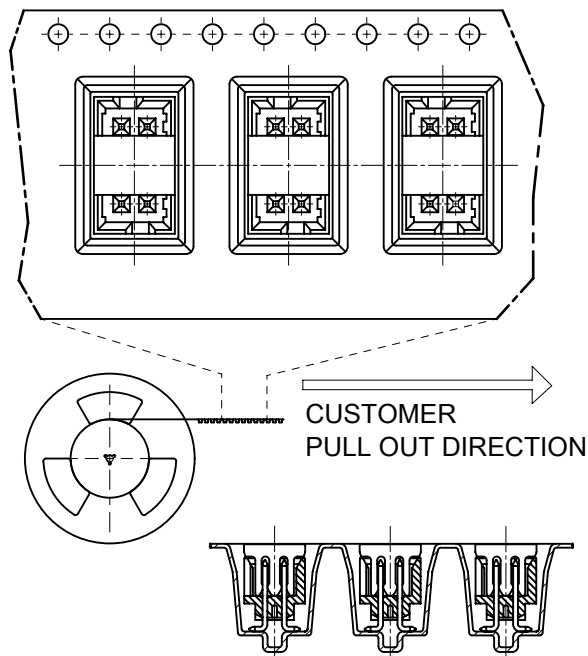
OPTION 2



OPTION 3



VIEW FOR 1 SIDE PILOT HOLE



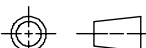
PACKAGING SPECIFICATION TABLE

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

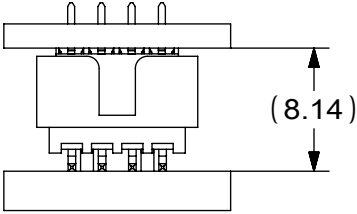
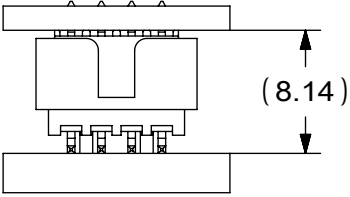
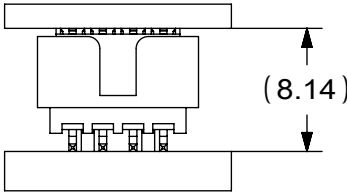
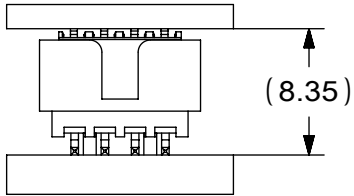
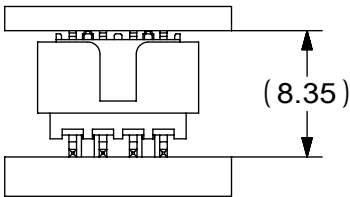
EMBOSSED TAPE & REEL POCKET DESCRIPTIONS

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

BOARD TO BOARD (BTB) DISTANCE

HEADER	MATES WITH (RECEPTACLE)	BTB DIST.	PICTORIAL VIEW
87832	79107	8.14	
	78787	8.14	
	79108	8.14	
	79109	8.35	
	78788	8.35	

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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 MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 	DRAWING 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

MILLIGRID
2MM PITCH, SMT VERTICAL SHROUDED HEADER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SD-87832-0001

DOC TYPE

PSD

DOC PART

001

REVISION

A19

MATERIAL NUMBER

CUSTOMER

GENERAL MARKET

SHEET NUMBER

13 OF 13

DOCUMENT STATUS	P1	RELEASE DATE	2022/01/27	04:45:23
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FORMAT: Mfg-Prod-Header-IB-prod-A3
REVISION: D
DATE: 2018/01/15