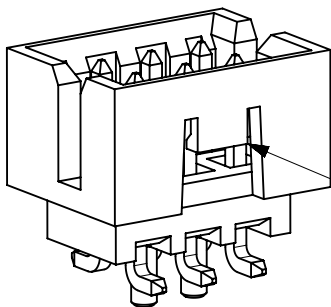
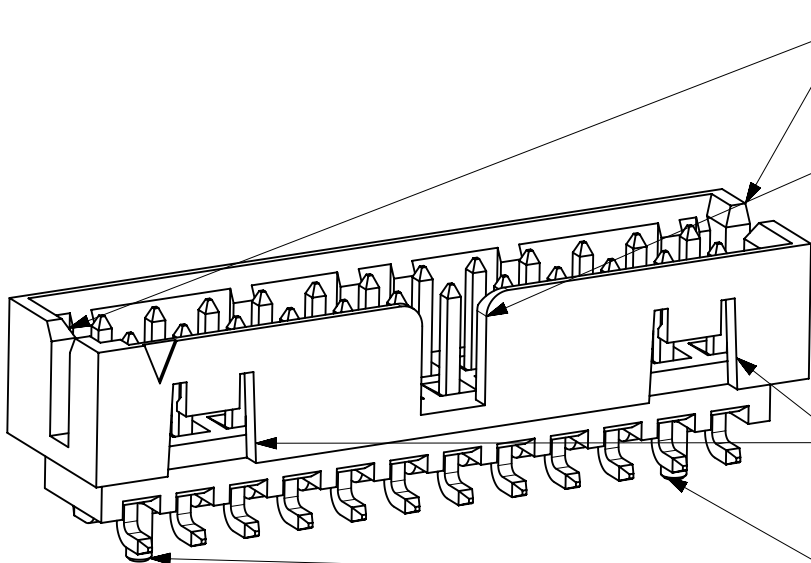


FEATURES SELECTION GUIDE



2 CENTER LOCK



3 DUAL SIDE SLOTS

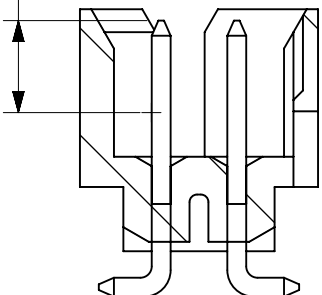
4 CENTER POLARIZATION

1 DUAL LOCKS

5 PEGS

PLATING MEASUREMENT

POINT
2.50



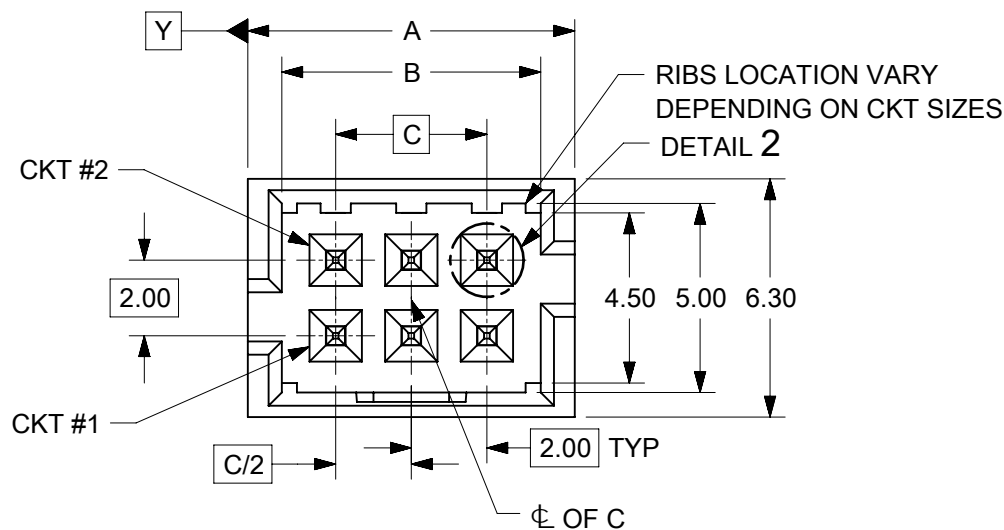
CIRCUIT SIZE	FEATURES					SHEET NO
	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	
	① DUAL	② CENTER				
4	N.A	N.A	YES	N.A	N.A	2 - 3
	N.A	YES	YES	N.A	N.A	
6	N.A	N.A	YES	N.A	N.A	4 - 5
	N.A	N.A	YES	N.A	YES	
	N.A	N.A	YES	YES	N.A	
	N.A	YES	YES	N.A	N.A	
	N.A	YES	YES	N.A	YES	
8 TO 12	N.A	N.A	YES	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: 787294 DRWN: SUAIFR CHK'D: SUAIFR APPR: MRAMAKRISHNA	2024/05/23 2024/05/24 2024/05/24	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		<div>molex®</div> <div>MILLIGRID 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								
		ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION								SERIES
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3				87832	SEE TABLE		GENERAL MARKET			
		A24		REV							DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER
									SD-87832-0001		PSD	001	1 OF 13		

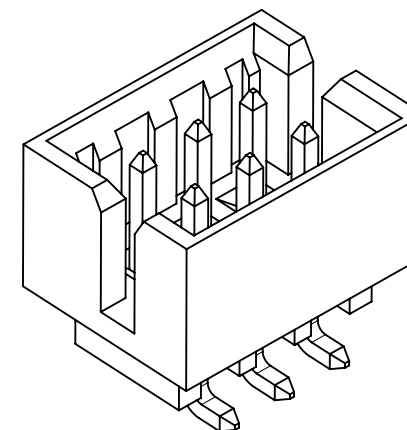
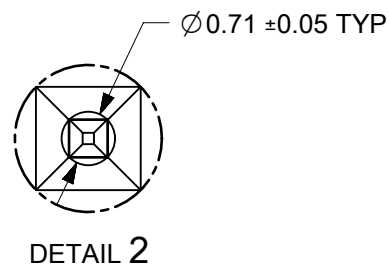
RELEASE STATUS	P1	RELEASE DATE	2024/05/24	12:12:41
----------------	----	--------------	------------	----------



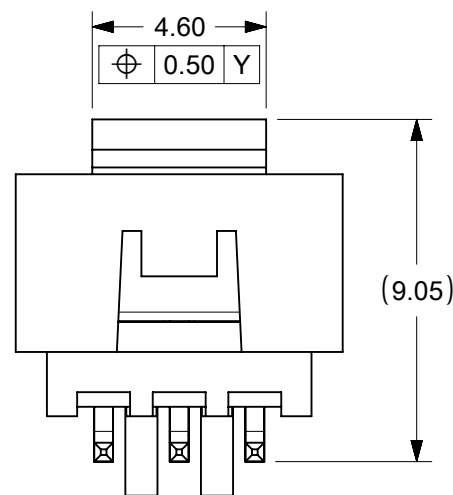
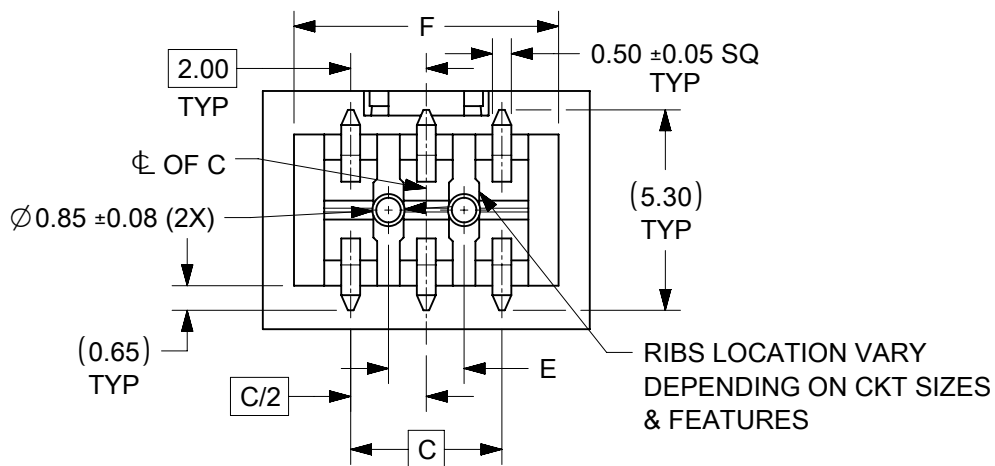
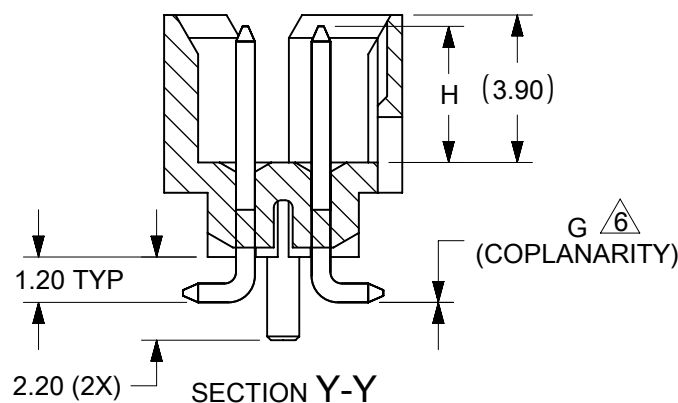
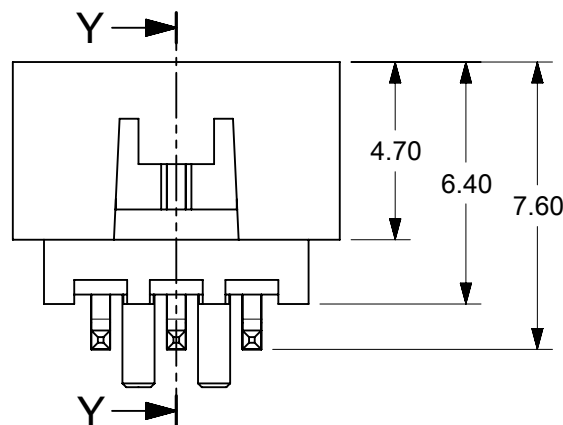
9 8 7 6 5 4 3 2 1



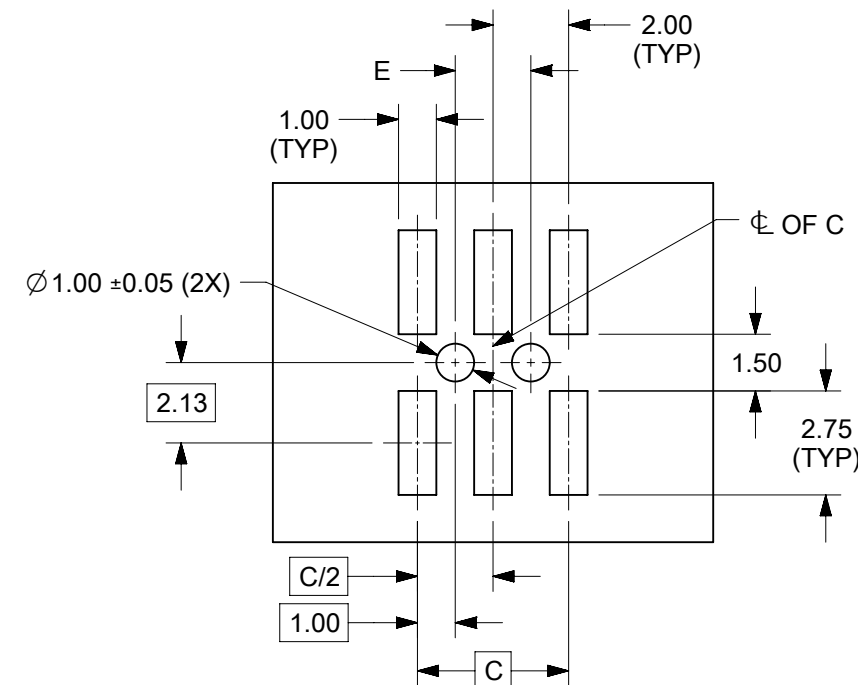
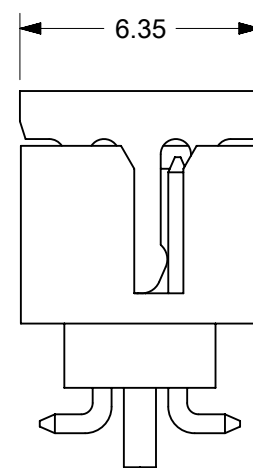
6 CIRCUITS



VIEW FOR HEADER WITH ONLY DUAL SLOTS



VIEW FOR HEADER WITH CAP

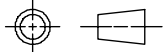


RECOMMENDED PCB LAYOUT

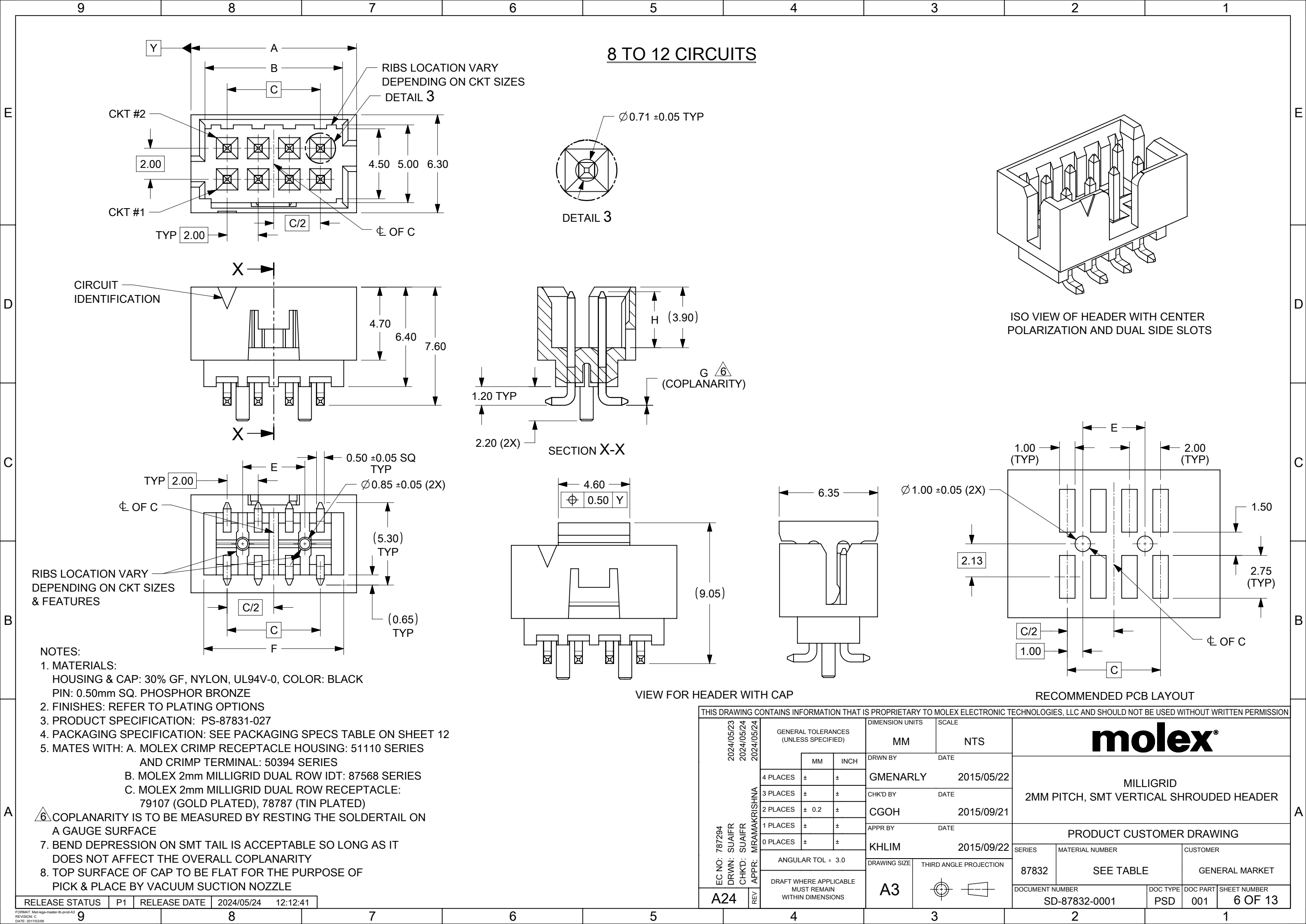
NOTES:

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

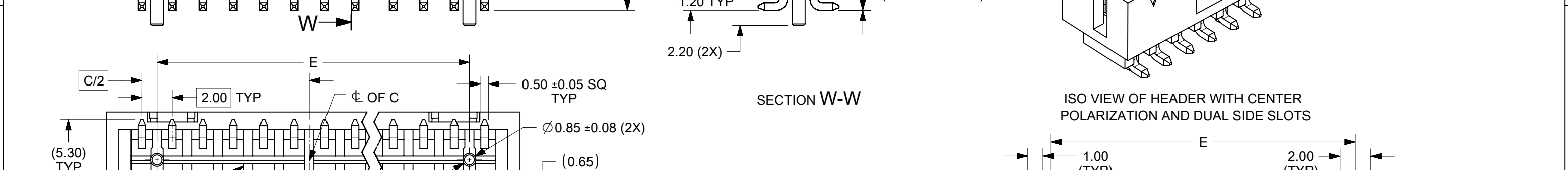
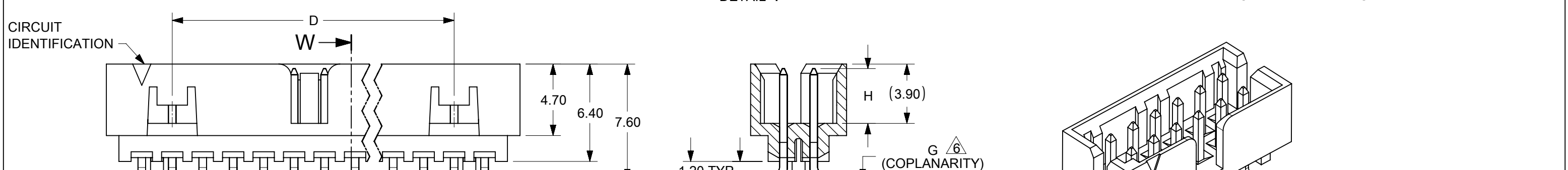
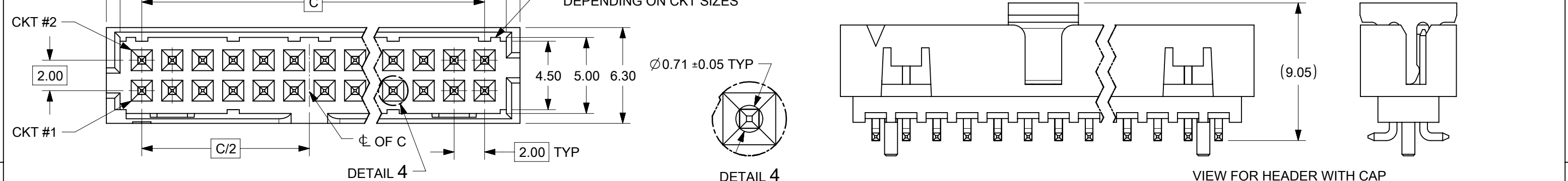
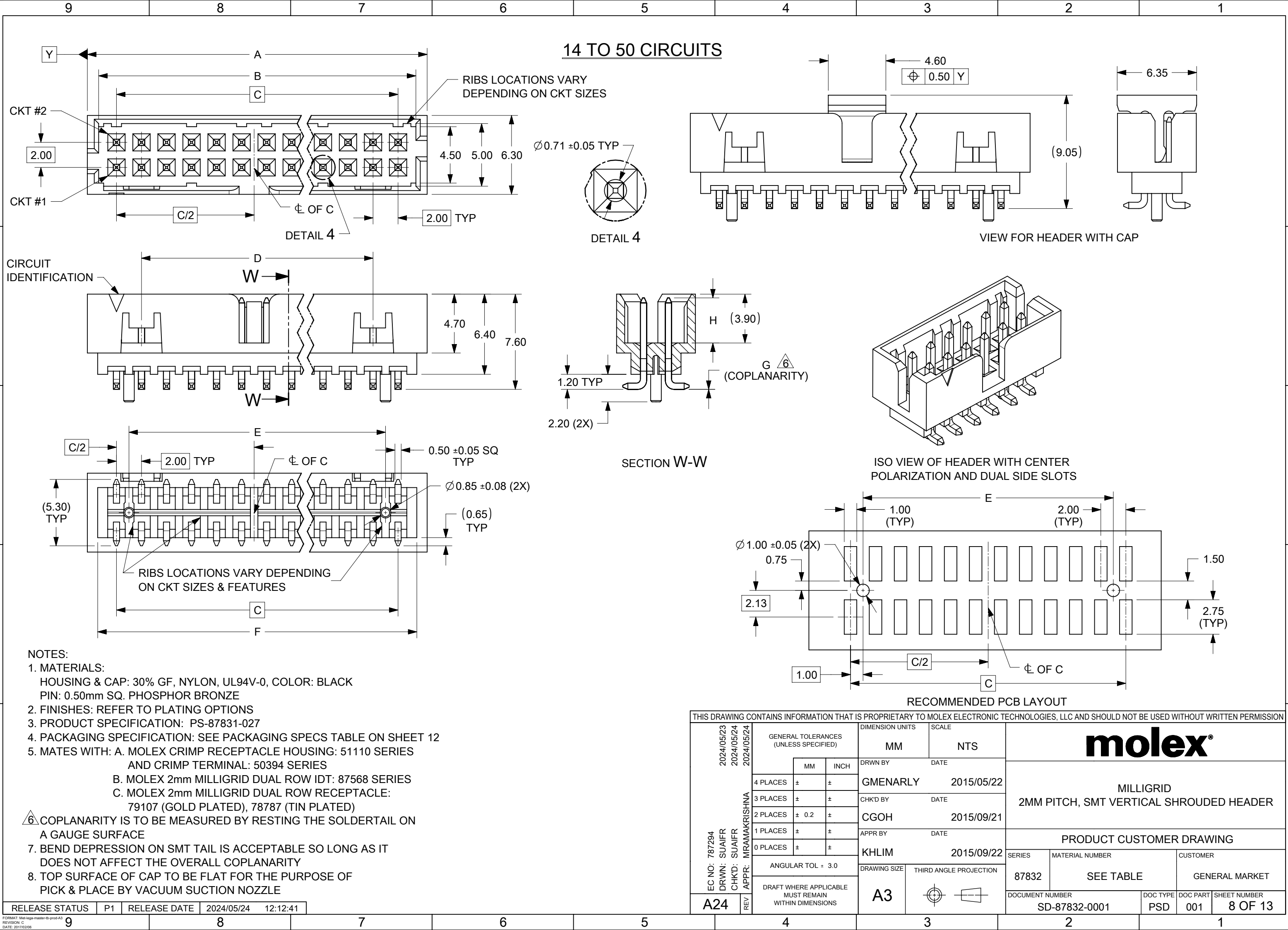
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

EC NO: 787294 DRWN: SUAIFR CHK'D: SUAIFR APPR: MRAMAKRISHNA		2024/05/23		2024/05/24		2024/05/24		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®																			
										MM		NTS																					
										4 PLACES		±		±		DRWN BY		DATE		MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER													
										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															
										DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A3						87832		MATERIAL NUMBER		SEE TABLE		CUSTOMER		GENERAL MARKET							
		A24		REV																DOCUMENT NUMBER		SD-87832-0001		DOC TYPE		PSD		DOC PART		001		SHEET NUMBER	

9		8		7		6		5		4		3		2		1					
6 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 POLARIZATIO N	PEGS	DIMENSION									
							DUAL	CENTER				A	B	C	D	E	F	G (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										
	87832-0625	87832-0627	87832-0629		1	3												0.10	3.60±0.15		
	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		



9		8		7		6		5		4		3		2		1																																																																																																									
8 TO 12 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 POLARIZ ATION	PEGS	DIMENSION																																																																																																													
							DUAL	CENTER				A	B	C	D	E	F	G (COPLAN)	H																																																																																																						
E 8	A24	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	87832-5330	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±0.20																																																																																																				
	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	10	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	N.A									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	N.A	0.10	3.60±0.20																																																																																																													
87832-1025	87832-1027	87832-1029		1	3	N.A	YES	YES	N.A	YES			0.10	3.60±0.20																																																																																																											
87832-1010	87832-1008	87832-1006		1	2																																																																																																																				
87832-1011	87832-1009	87832-1007		1	3	N.A	YES	YES	N.A	YES					0.10	3.60±0.20																																																																																																									
87832-1004	N.A	N.A		N.A	2	N.A	YES	YES	N.A	YES	0.10	3.60±0.20																																																																																																													
C	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	0.10	3.60±0.20																																																																																																													
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	0.10	3.60±0.20																																																																																																													
87832-1212	N.A	N.A		N.A	2	N.A	N.A	YES	YES	N.A																																																																																																															
A	<div>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.</div>																																																																																																																								
	RELEASE STATUS	P1	RELEASE DATE	2024/05/24	12:12:41																																																																																																																				
	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="9">EC NO: 787294 DRWN: SUAIFR CHK'D: SUAIFR REV APPR: MRAMAKRISHNA</td><td rowspan="9">2024/05/23 2024/05/24 2024/05/24</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"><div>molex®</div></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 87832</td><td colspan="2">MATERIAL NUMBER SEE TABLE</td><td colspan="2">CUSTOMER GENERAL MARKET</td></tr><tr><td colspan="3">ANGULAR TOL ± 3.0</td><td colspan="2">DRAWING SIZE</td><td colspan="2">THIRD ANGLE PROJECTION</td><td colspan="5" rowspan="2">DOCUMENT NUMBER SD-87832-0001</td><td colspan="2">DOC TYPE PSD</td><td colspan="2">DOC PART 001</td><td colspan="2">SHEET NUMBER 7 OF 13</td></tr><tr><td colspan="3">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">A3</td><td colspan="2"></td></tr></table>																		EC NO: 787294 DRWN: SUAIFR CHK'D: SUAIFR REV APPR: MRAMAKRISHNA	2024/05/23 2024/05/24 2024/05/24	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		<div>molex®</div>						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 87832					MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION		DOCUMENT NUMBER SD-87832-0001					DOC TYPE PSD		DOC PART 001		SHEET NUMBER 7 OF 13		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3			
	EC NO: 787294 DRWN: SUAIFR CHK'D: SUAIFR REV APPR: MRAMAKRISHNA	2024/05/23 2024/05/24 2024/05/24	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		<div>molex®</div>																																																																																																															
				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 87832					MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET																																																																																																								
ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION		DOCUMENT NUMBER SD-87832-0001								DOC TYPE PSD		DOC PART 001				SHEET NUMBER 7 OF 13																																																																																																				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3																																																																																																																						



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											
GENERAL TOLERANCES (UNLESS SPECIFIED)											
DIMENSION UNITS											
SCALE											
DRWN BY											
DATE											
CHK'D BY											
DATE											
APPR BY											
DATE											
KHLIM											
2015/09/22											
DRAWING SIZE											
THIRD ANGLE PROJECTION											
A3											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
ANGULAR TOL ± 3.0											
SERIES											
MATERIAL NUMBER											
CUSTOMER											
78732											
SEE TABLE											
GENERAL MARKET											
DOCUMENT NUMBER											
SD-87832-0001											
DOC TYPE											
PSD											
DOC PART											
001											
SHEET NUMBER											
8 OF 13											
RELEASE STATUS											
P1											
RELEASE DATE											
2024/05/24											
12:12:41											

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			
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	87832-6031	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		

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

2024/05/24 12:12:41

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

2024/05/23
2024/05/24
2024/05/24

EC NO: 787294
DRWN: SUAIFR
CHK'D: SUAIFR
APPR: MRAMAKRISHNA

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

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

9 OF 13

9

8

7

6

5

4

3

2

1

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	YES	N.A	YES	YES	N.A							0.15	3.60±0.20
	87832-3412	87832-3416	87832-3414		3	2													
	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													

2024/05/23

2024/05/24

2024/05/24

EC NO: 787294

DRWN: SUAIFR

CHK'D: SUAIFR

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

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

SERIES

MATERIAL NUMBER

CUSTOMER

87832

SEE TABLE

GENERAL MARKET

DOCUMENT NUMBER

DOC TYPE

DOC PART

SHEET NUMBER

SD-87832-0001

PSD

001

10 OF 13

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

MILLIGRID
2MM PITCH, SMT VERTICAL SHROUDED HEADER

PRODUCT CUSTOMER DRAWING

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

2024/05/24

12:12:41

9

8

7

6

5

4

3

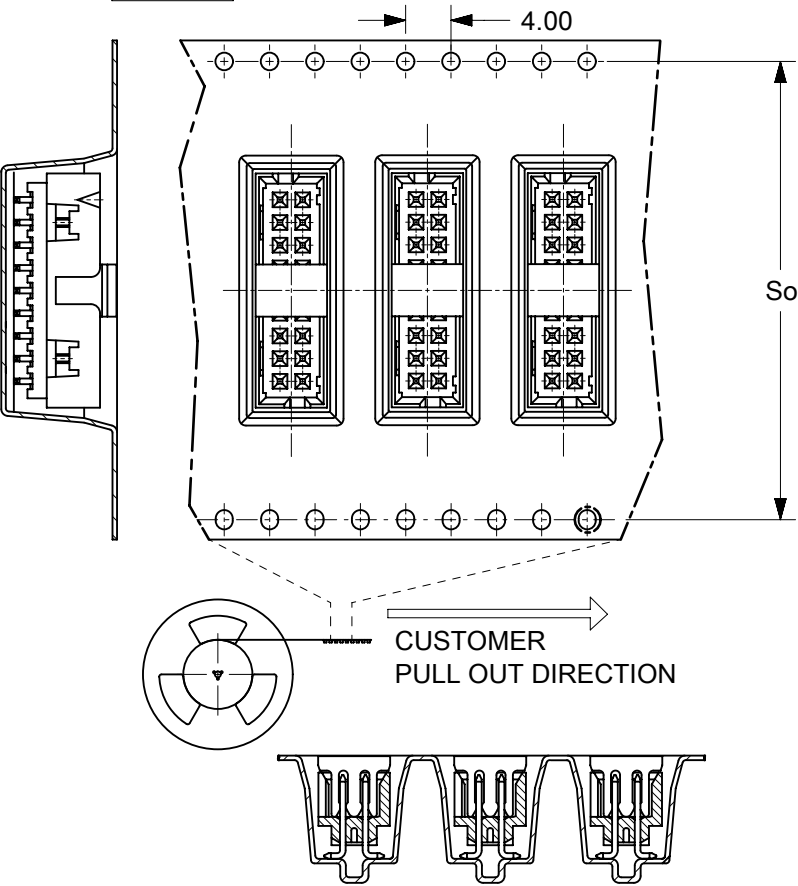
2

1

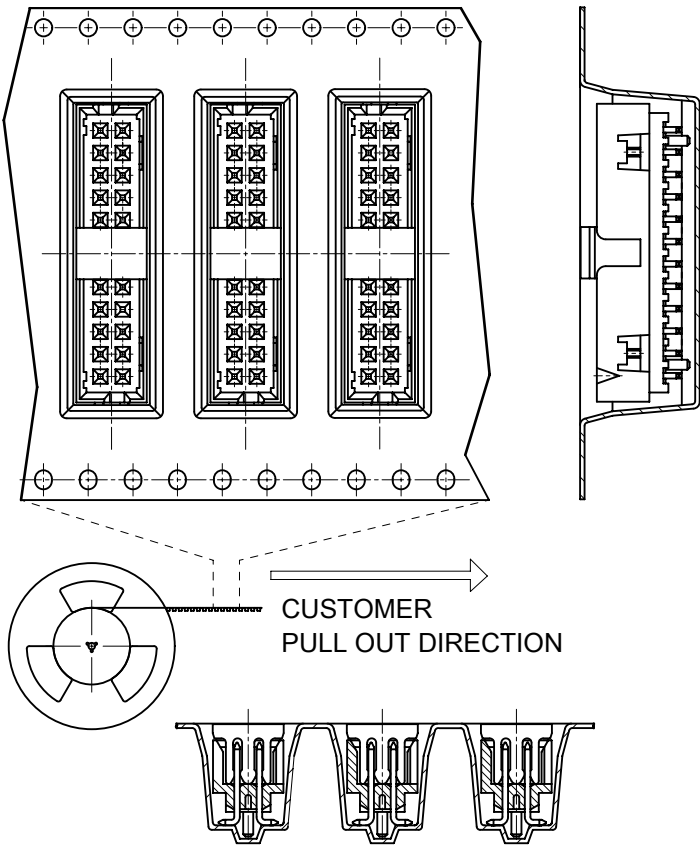
[illegible]

PACKAGING OPTIONS

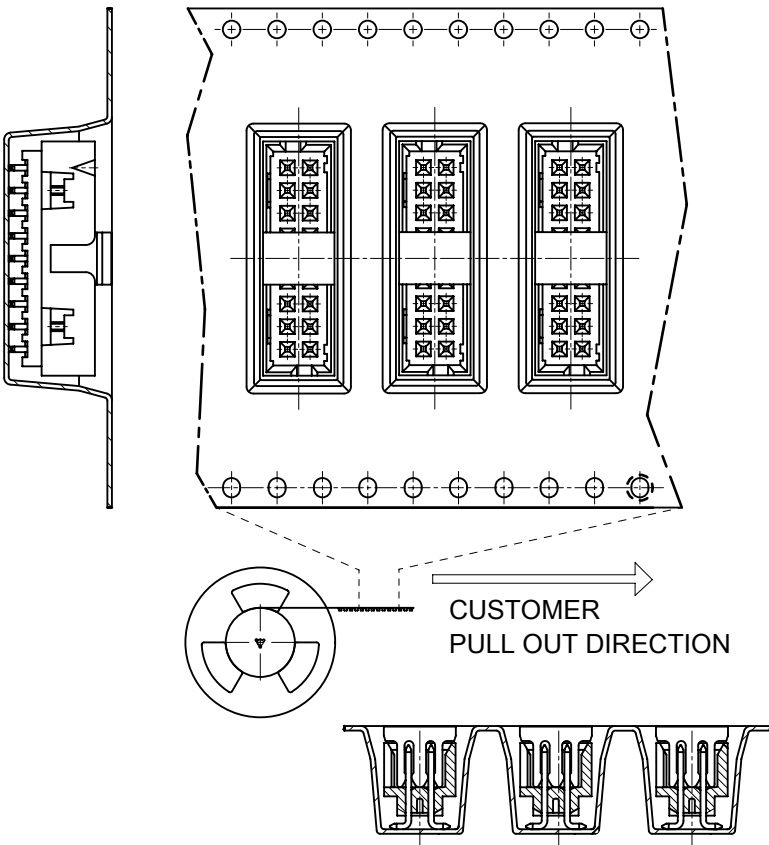
OPTION 1



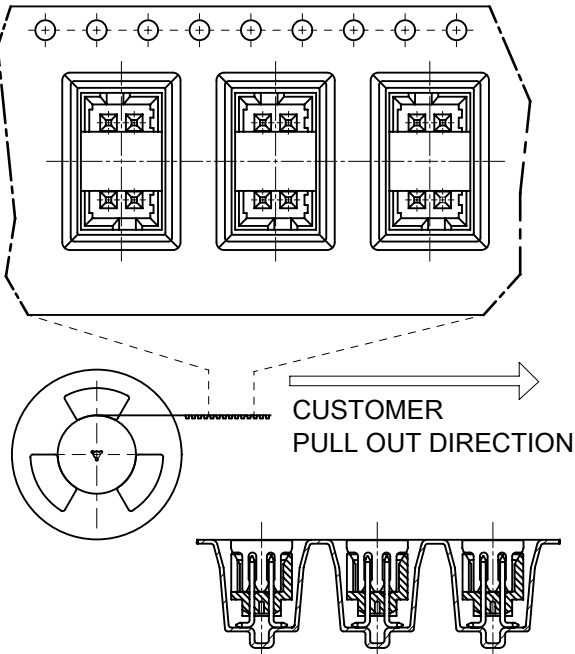
OPTION 2



OPTION 3



VIEW FOR 1 SIDE PILOT HOLE

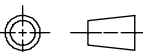
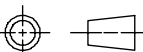


PACKAGING SPECIFICATION TABLE

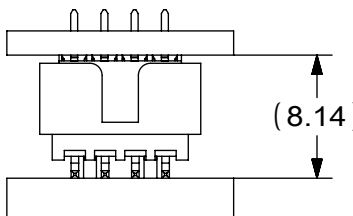
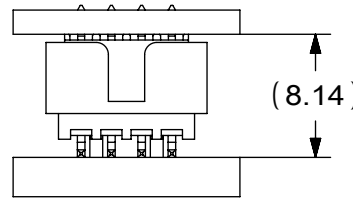
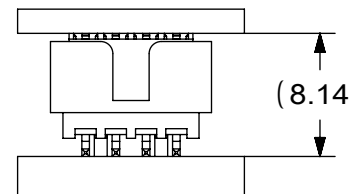
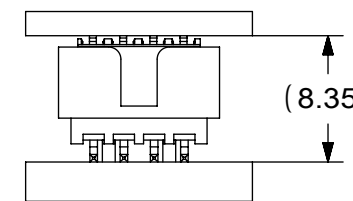
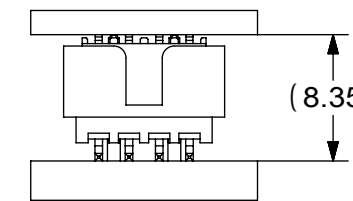
TAPE AND REEL PACKAGING	PK-87832-300
TUBE STANDARD PACKAGING	PK-87831-001
TUBE NON-STANDARD PACKAGING FOR: 87832-0411 87832-0824 87832-1072 87832-1412	PK-87831-002

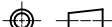
EMBOSSED TAPE & REEL POCKET DESCRIPTIONS

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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
EC NO: 787294 DRWN: SUAIFR CHK'D: SUAIFR REV APPR: MRAMAKRISHNA	2024/05/23 2024/05/24 2024/05/24	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS MM		SCALE NTS		<div>molex®</div>							
			MM	INCH	DRWN BY GMENARLY		DATE 2015/05/22									
		4 PLACES	±	±	CHK'D BY CGOH		DATE 2015/09/21		MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER							
		3 PLACES	±	±	APPR BY KHLIM		DATE 2015/09/22									
		2 PLACES	± 0.2	±	DRAWING SIZE A3		THIRD ANGLE PROJECTION 		SERIES 87832		MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET			
		1 PLACES	±	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DOCUMENT NUMBER SD-87832-0001		DOC TYPE PSD		DOC PART 001		SHEET NUMBER 12 OF 13	
		0 PLACES	±	±					ANGULAR TOL ± 3.0		PRODUCT CUSTOMER DRAWING					

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	

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:				molex				
mm		NTS										
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 787294 DRWN: SUAIFR 2024/05/23 CHK'D: SUAIFR 2024/05/24 APPR: MRAMAKRISHNA 2024/05/24 INITIAL REVISION: DRWN: DRWN BY XXXX/XX/XX APPR: APPR BY XXXX/XX/XX				MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER				
	MM	INCH										
4 PLACES	±	±										
3 PLACES	±	±										
2 PLACES	±	0.2	±									
1 PLACE	±	±										
0 PLACES	±	±										
ANGULAR TOL ± 3.0°				DOCUMENT NUMBER SD-87832-0001				DOC TYPE PSD		DOC PART 001		REVISION A24
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								THIRD ANGLE PROJECTION 		DRAWING A3-SIZE		SERIES 87832