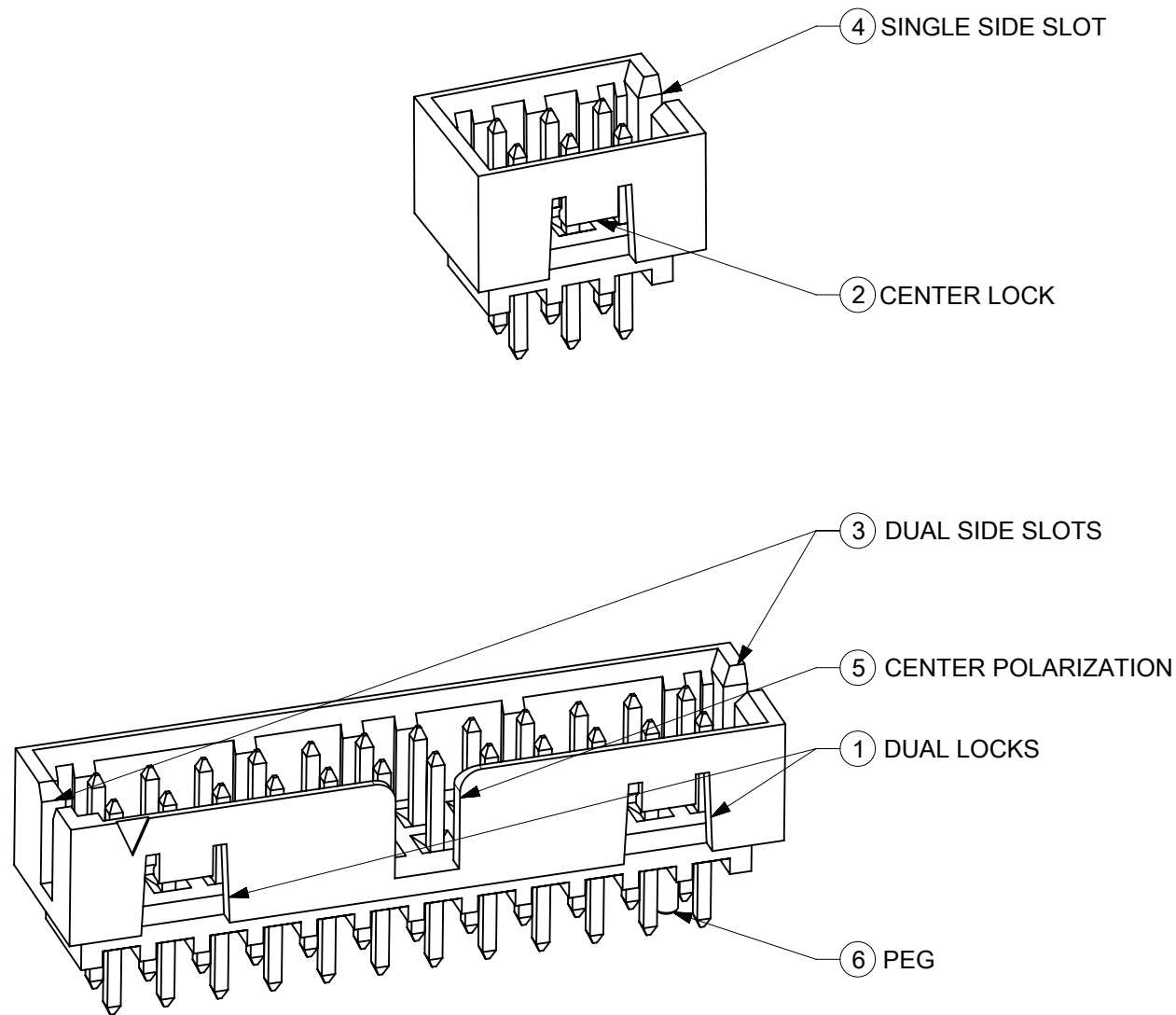


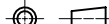
FEATURES SELECTION GUIDE



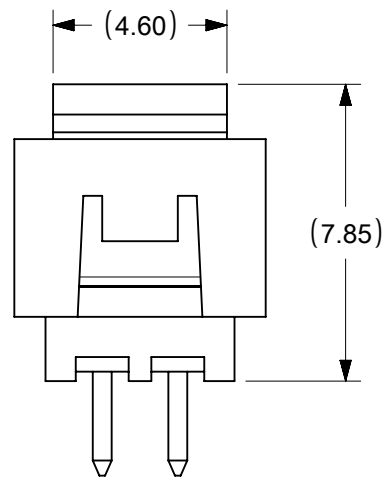
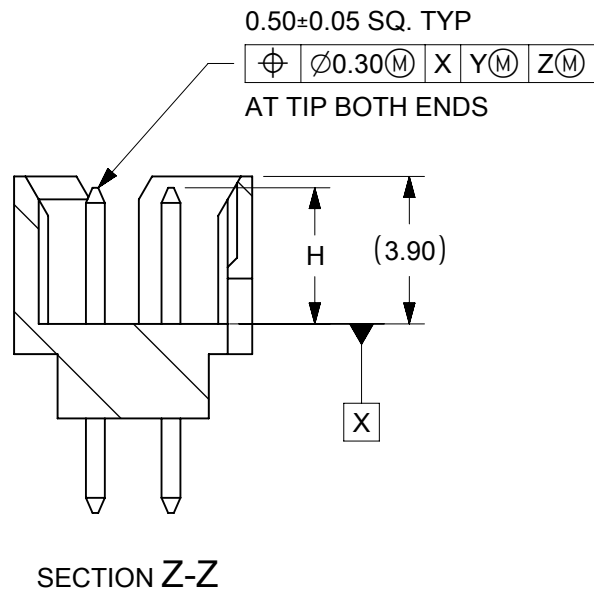
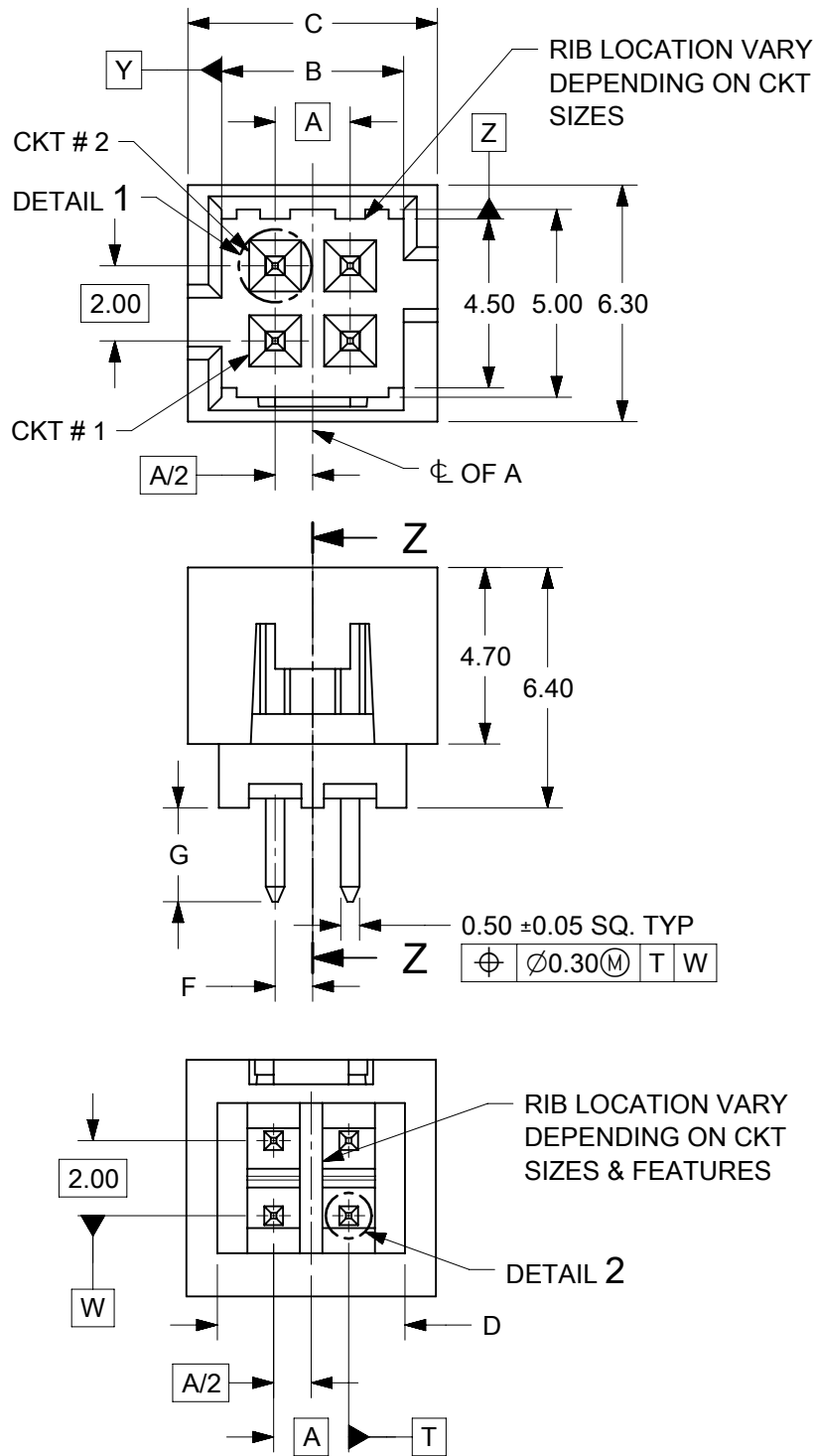
PACKAGING SPECIFICATION TABLE

TAPE AND REEL PACKAGING	PK-87831-300
TUBE STANDARD PACKAGING	PK-87831-001
TUBE NON-STANDARD PACKAGING FOR:	PK-87831-002
87831-0419 87831-0645	
87831-5141 87831-5119	
87831-0443 87831-1011	
87831-5241 87831-1420	
87831-5242	
87831-0643	

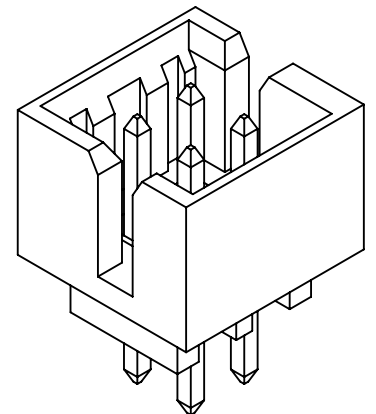
FEATURES							
CIRCUIT SIZE	FRICTION LOCKS		SIDE SLOTS		⑤ CENTER POLARIZATION	⑥ PEG	SHEET NO
	① DUAL	② CENTER	③ DUAL	④ SINGLE			
4	N.A	N.A	YES	N.A	N.A	N.A	2 - 3
	N.A	YES	YES	N.A	N.A	N.A	
	N.A	YES	N.A	YES	N.A	N.A	
6	N.A	N.A	YES	N.A	N.A	N.A	4 - 5
	N.A	N.A	YES	N.A	N.A	YES	
	N.A	YES	YES	N.A	N.A	N.A	
	N.A	YES	YES	N.A	N.A	YES	
	N.A	YES	N.A	YES	N.A	N.A	
	N.A	YES	N.A	YES	N.A	YES	
	N.A	N.A	YES	N.A	YES	N.A	
8 TO 12	N.A	N.A	YES	N.A	YES	N.A	6 - 8
	N.A	N.A	YES	N.A	YES	YES	
	N.A	YES	YES	N.A	N.A	N.A	
	N.A	YES	YES	N.A	N.A	YES	
	N.A	YES	N.A	YES	N.A	N.A	
	N.A	YES	N.A	YES	N.A	YES	
14 TO 50	YES	N.A	YES	N.A	YES	N.A	9 - 13
	YES	N.A	YES	N.A	YES	YES	

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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512581.				molex					
mm		NTS											
GENERAL TOLERANCES (UNLESS SPECIFIED)								MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER					
	MM	INCH						PRODUCT CUSTOMER DRAWING					
4 PLACES	±		±										
3 PLACES	±			EC NO: 761863	2023/08/14								
2 PLACES	±	0.2	±	DRWN: SUAIFR									
1 PLACE	±		±	CHK'D: GGA	2023/09/11								
0 PLACES	±		±	APPR: GGA									
ANGULAR TOL ± 3.0 °				INITIAL REVISION:				2023/09/11					
				DRWN: GMENARLY									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				APPR: KHLIM				2015/04/15 2015/06/29					
THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A3-SIZE		87831		SEE TABLE		GENERAL MARKET		1 OF 14	

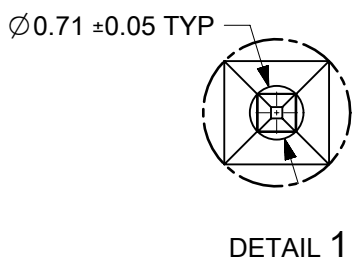
4 CIRCUITS



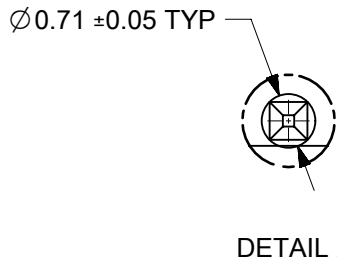
VIEW FOR
HEADER WITH CAP



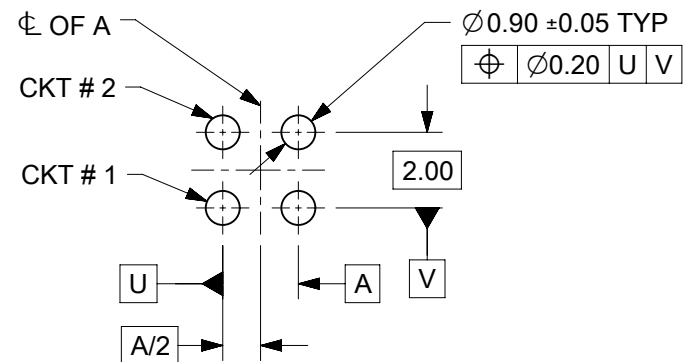
VIEW FOR HEADER
WITH ONLY DUAL SLOTS



DETAIL 1

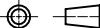


DETAIL 2



RECOMMENDED PCB LAYOUT

- NOTES:
1. MATERIALS:
HOUSING: 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 1
 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)

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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512581.			molex		
mm	NTS								
GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: 761863 DRWN: SUAIFR CHK'D: GGA APPR: GGA			MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER			
4 PLACES	±	±	2023/08/14			PRODUCT CUSTOMER DRAWING			
3 PLACES	±	±							
2 PLACES	±	0.2	2023/09/11			DOCUMENT NUMBER SD-87831-0001			
1 PLACE	±	±							
0 PLACES	±	±	2023/09/11			DOC TYPE PSD			
ANGULAR TOL ± 3.0 °									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			INITIAL REVISION: DRWN: GMENARLY APPR: KHLIM			DOC PART 001			
									THIRD ANGLE PROJECTION
			DRAWING A3-SIZE			REVISION A24			
									SERIES 87831
						SHEET NUMBER 2 OF 14			

DOCUMENT STATUS	P1	RELEASE DATE	2023/09/11	04:36:51
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10	9	8	7	6	5	4	3	2	1									
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	PLATING OPTIONS	FRICTION LOCKS		SIDE SLOTS		CENTER POLARIZATION	PEG	DIMENSION							
					DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F	G	H
4	87831-0419	N.A	N.A	1	N.A	N.A	YES	N.A	N.A	N.A	2.00	4.85	6.65	5.00	N.A	N.A	2.50	3.60±0.20
	87831-0420	N.A	N.A	2														
	87831-0421	N.A	N.A	3														
	87831-0436	N.A	N.A	4														
	87831-0441	87831-0456	N.A	2	N.A	YES	YES	N.A	N.A	N.A						1.00	2.50	
	87831-0442	N.A	87831-5565	3														
	87831-5141	N.A	N.A	2	N.A	YES	YES	N.A	N.A	3.50								
	87831-5142	N.A	N.A	3														
	87831-6141	N.A	N.A	2	N.A	YES	YES	N.A	N.A	2.80								
	87831-6142	N.A	N.A	3														
	87831-0443	N.A	N.A	2	N.A	YES	N.A	YES	N.A	N.A							2.50	
	87831-0444	N.A	N.A	3														

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

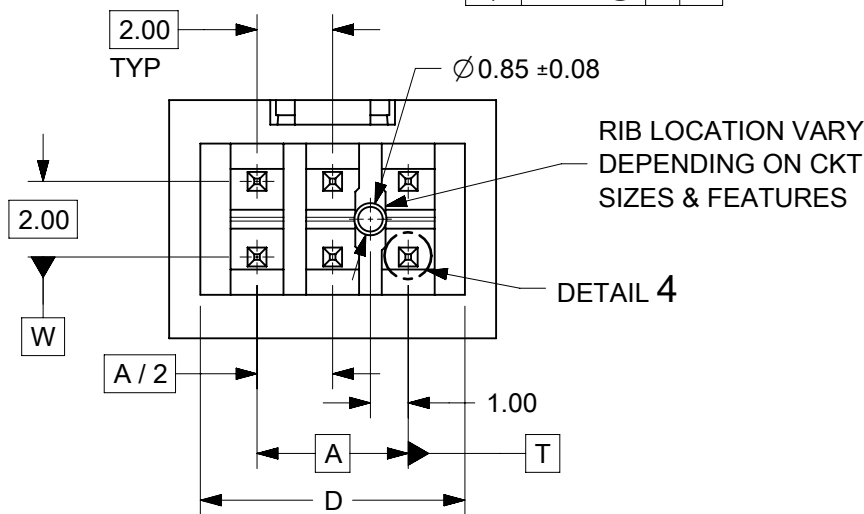
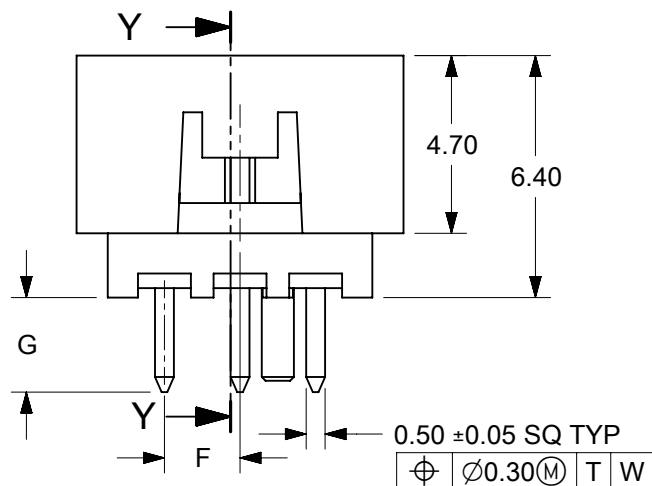
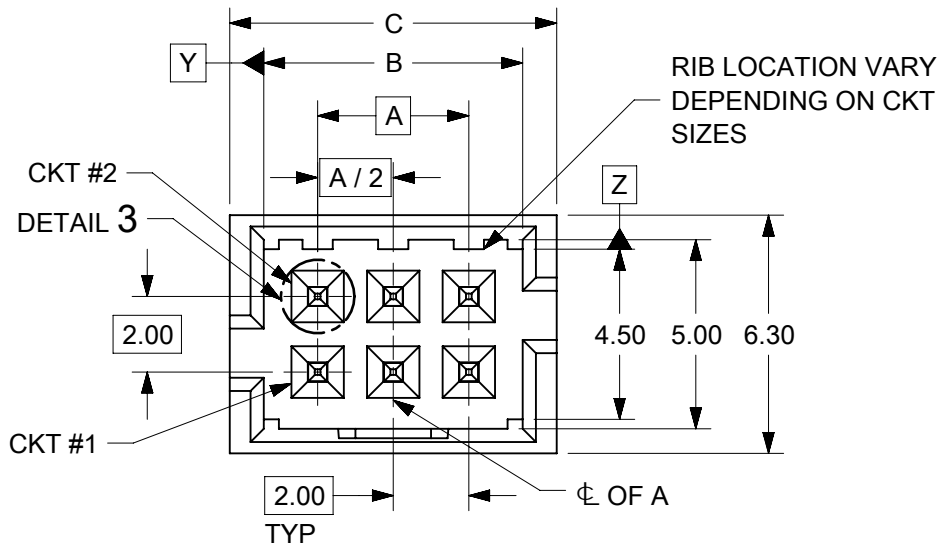
3 - 0.76µm/30µin GOLD IN CONTACT AREA AND
1.88µm/75µin MIN. MATTETIN IN SOLDER TAIL AREA OVER
1.27µm/50µin MIN. NICKEL OVERALL.

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

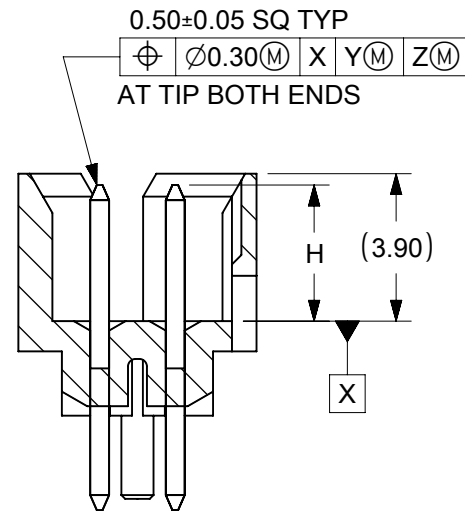
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512581.				molex							
mm		NTS													
GENERAL TOLERANCES (UNLESS SPECIFIED)															
	MM	INCH													
4 PLACES	±		±	EC NO: 761863 DRWN: SUAIFR CHK'D: GGA APPR: GGA				2023/08/14 2023/09/11 2023/09/11							
3 PLACES	±		±												
2 PLACES	±	0.2	±												
1 PLACE	±		±	INITIAL REVISION: DRWN: GMENARLY APPR: KHLIM				2015/04/15 2015/06/29							
0 PLACES	±		±												
ANGULAR TOL		±	3.0 °												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		87831		SEE TABLE		GENERAL MARKET		3 OF 14	

DOCUMENT STATUS	P1	RELEASE DATE	2023/09/11	04:36:51				
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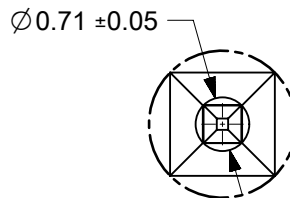
FORMAT: Mtl-lega-master-4b-prod-A3
REVISION: E1
DATE: 20210501



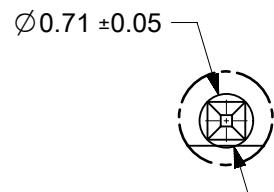
6 CIRCUITS



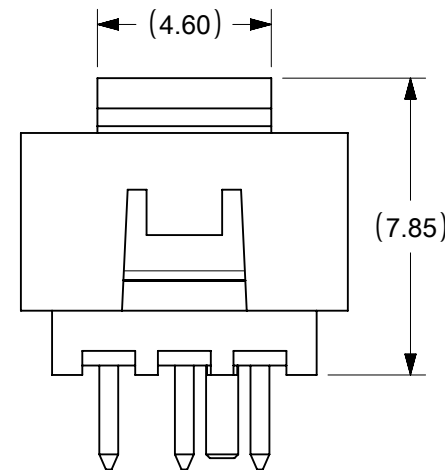
SECTION Y-Y



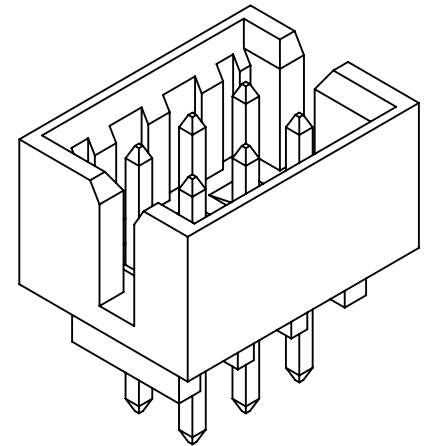
DETAIL 3



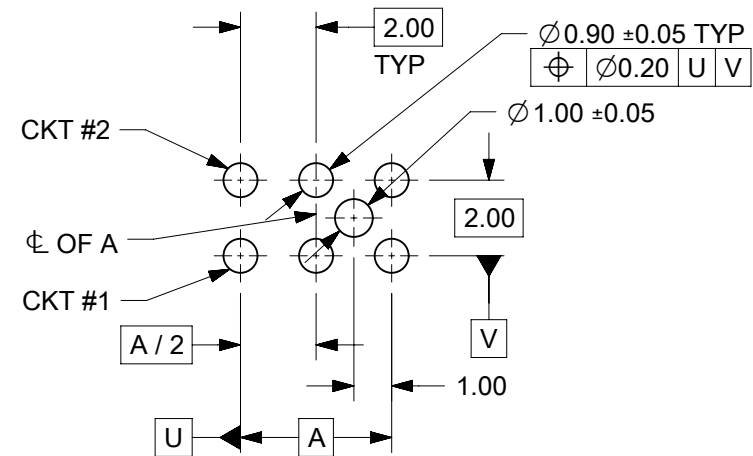
DETAIL 4



VIEW FOR
HEADER WITH CAP



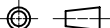
VIEW FOR HEADER WITH
ONLY DUAL SLOTS



RECOMMENDED PCB LAYOUT

NOTES:

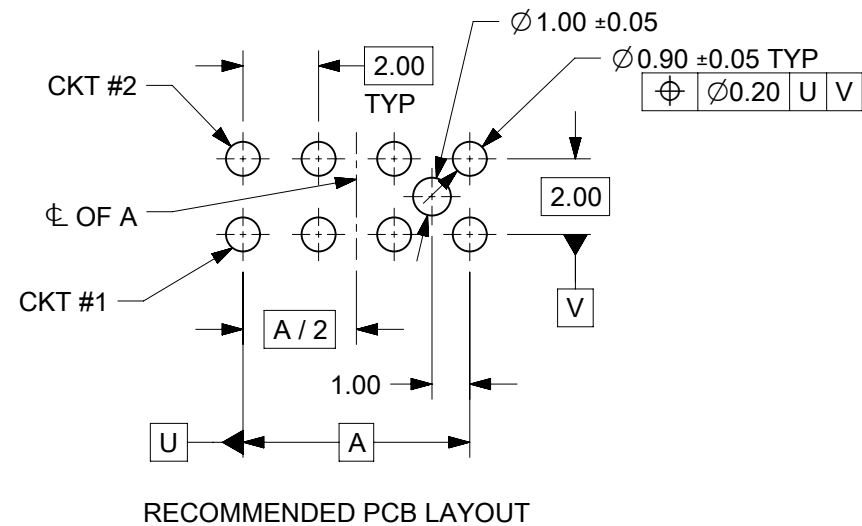
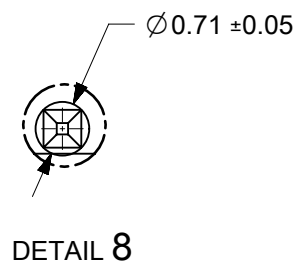
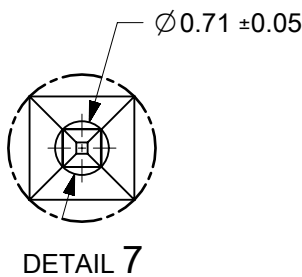
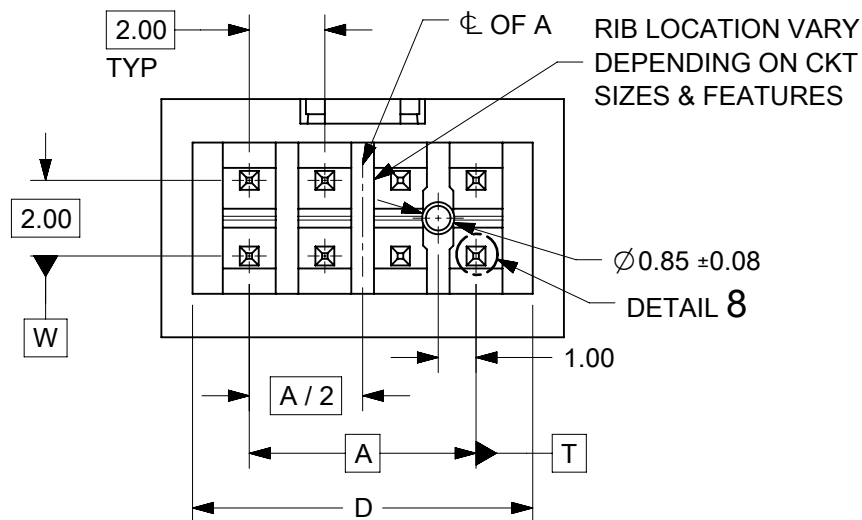
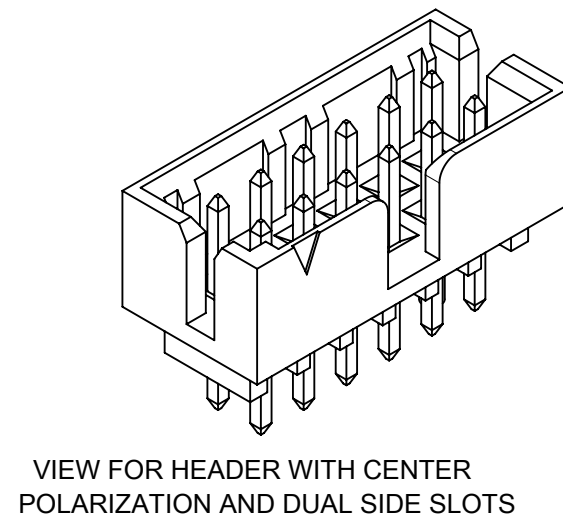
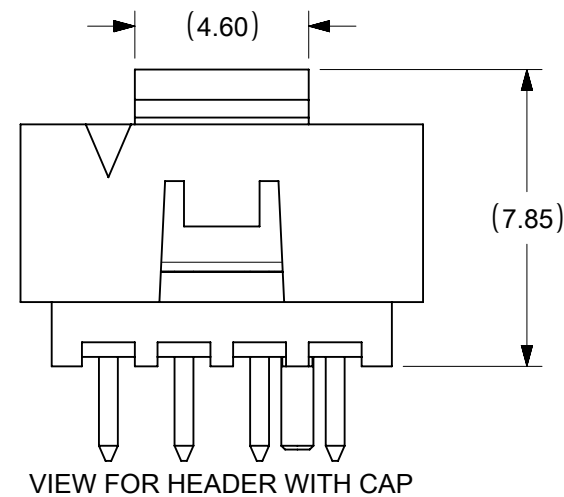
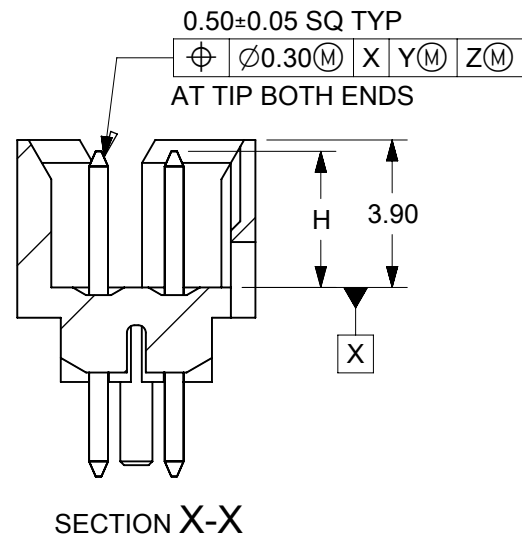
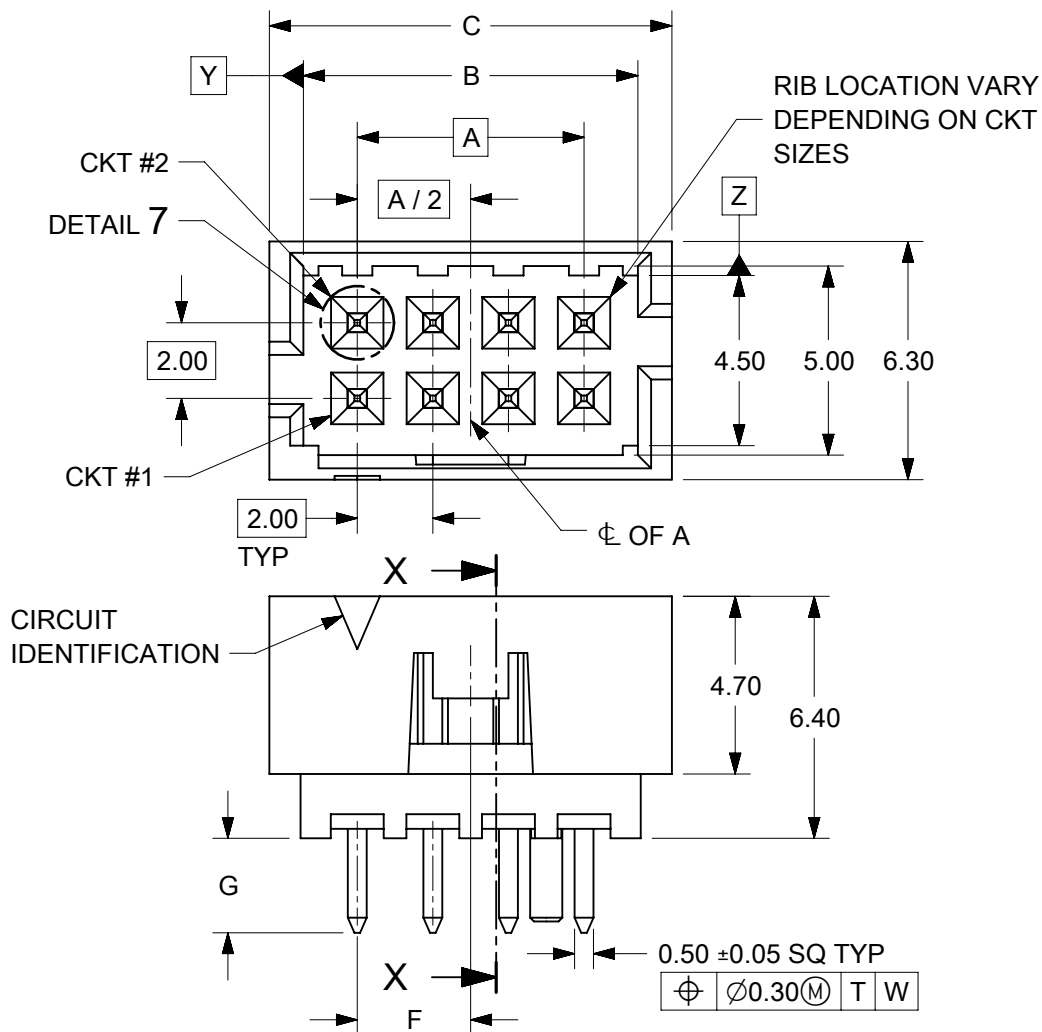
- MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50mm SQ PHOSPHOR BRONZE
- FINISHES: REFER TO PLATING OPTIONS
- PRODUCT SPECIFICATION: PS-87831-027
- PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
- MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES
AND CRIMP 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)

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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512581.			molex				
mm		NTS									
GENERAL TOLERANCES (UNLESS SPECIFIED)							MILLGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER				
	MM	INCH									
4 PLACES	±		±				EC NO: 761863 DRWN: SUAIFR CHK'D: GGA APPR: GGA 2023/08/14 2023/09/11 2023/09/11				
3 PLACES	±		±								
2 PLACES	±	0.2	±								
1 PLACE	±		±								
0 PLACES	±		±	INITIAL REVISION: DRWN: GMENARLY APPR: KHLIM 2015/04/15 2015/06/29			DOCUMENT NUMBER SD-87831-0001		DOC TYPE	DOC PART	REVISION
ANGULAR TOL ± 3.0 °									PSD	001	A24
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER
						A3-SIZE	87831	SEE TABLE	GENERAL MARKET		4 OF 14

DOCUMENT STATUS	P1	RELEASE DATE	2023/09/11	04:36:51
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	10	9	8	7	6	5	4	3	2	1																							
F	6 CIRCUITS										F																						
	6	CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	PLATING OPTIONS	FRICTION LOCKS		SIDE SLOTS		CENTER POLARIZATION	PEG	DIMENSION																				
							DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F	G	H													
			87831-0619	N.A	N.A	1	N.A	N.A	YES	N.A	N.A	N.A	4.00	6.85	8.65	7.00	N.A	N.A	2.50	3.60±0.20													
			87831-0620	N.A	N.A	2																											
			87831-0621	N.A	N.A	3																											
E			87831-0636	N.A	N.A	4																											
			87831-0628	N.A	N.A	2	N.A	N.A	YES	N.A	N.A	YES						N.A	2.50														
			87831-0629	N.A	N.A	3																											
			87831-0641	N.A	87831-0647	2	N.A	YES	YES	N.A	N.A	N.A						2.00	2.50														
			87831-0642	N.A	87831-5552	3													3.50														
D			87831-5241	N.A	N.A	2	N.A	YES	YES	N.A	N.A	N.A							2.80	3.60 ^{+0.15} -0.10													
			87831-5242	N.A	N.A	3																											
			87831-6241	N.A	N.A	2	N.A	YES	YES	N.A	N.A	N.A							2.50														
			87831-6242	N.A	N.A	3																											
			87831-0643	N.A	N.A	2	N.A	YES	N.A	YES	N.A	N.A							2.50														
			87831-0644	N.A	N.A	3													2.50														
C			87831-0645	N.A	N.A	2	N.A	YES	N.A	YES	N.A	YES							2.50														
			87831-0646	N.A	N.A	3																											
			87831-0632	N.A	N.A	2	N.A	YES	YES	N.A	N.A	YES							2.50	3.60±0.20													
			87831-5119	N.A	N.A	1	N.A	N.A	YES	N.A	YES	N.A						N.A	2.50														
			87831-5121	N.A	N.A	3																											
			87831-5136	N.A	N.A	4																											
B																																	
A																																	

8 TO 12 CIRCUITS



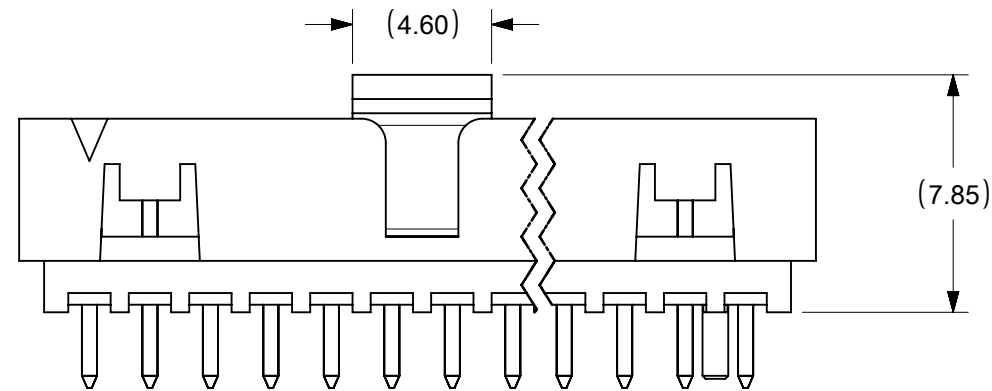
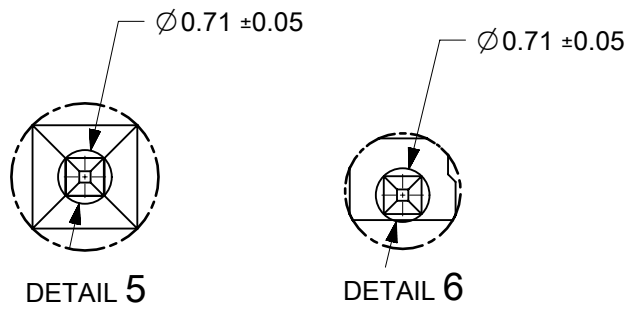
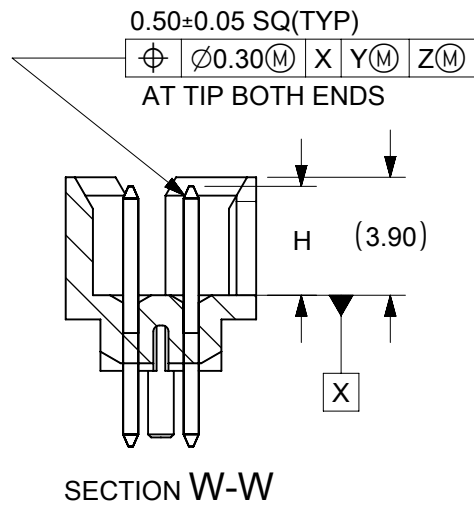
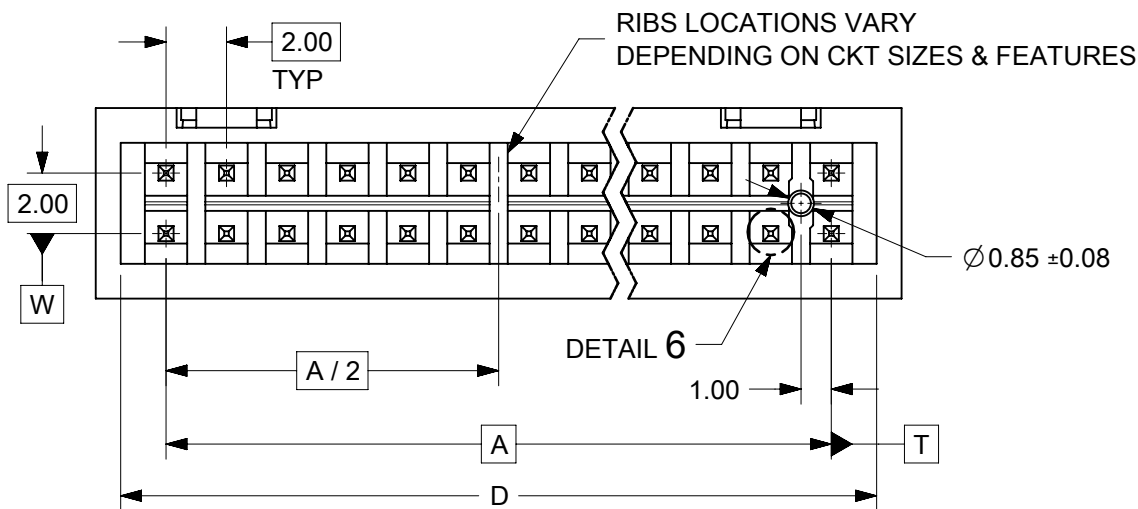
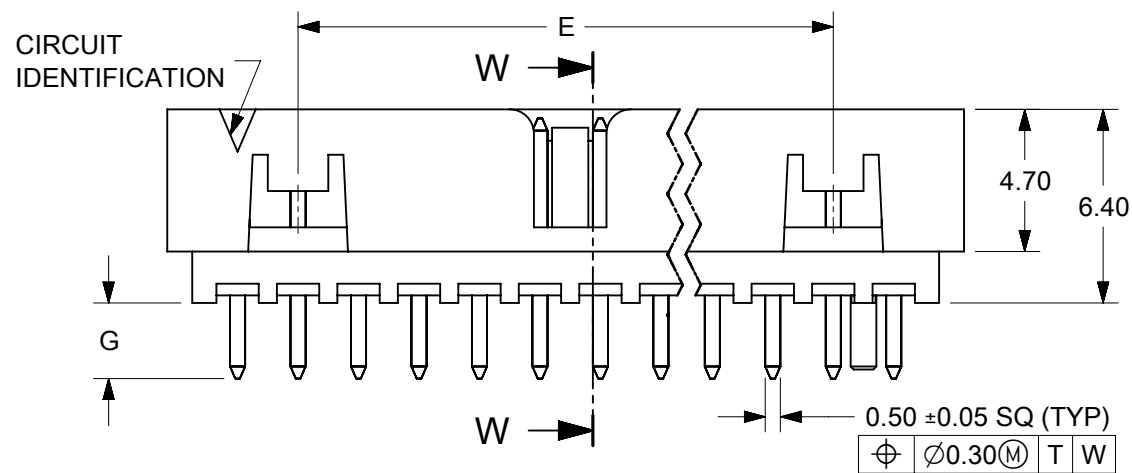
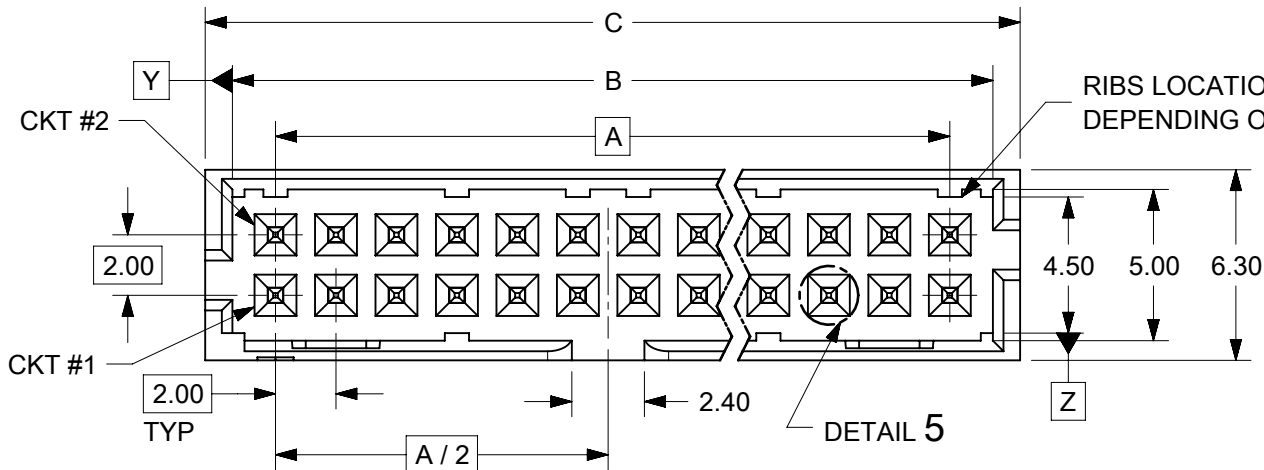
- NOTES:
- MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50mm SQ PHOSPHOR BRONZE
 - FINISHES: REFER TO PLATING OPTIONS
 - PRODUCT SPECIFICATION: PS-87831-027
 - PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
 - MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES 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)

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512581.				molex							
mm		NTS													
GENERAL TOLERANCES (UNLESS SPECIFIED)				MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER											
		MM	INCH							PRODUCT CUSTOMER DRAWING					
4 PLACES	±		±												
3 PLACES	±		±	DOC TYPE PSD											
2 PLACES	±	0.2	±							DOC PART 001					
1 PLACE	±		±	REVISION A24											
0 PLACES	±		±							INITIAL REVISION: DRWN: GMENARLY APPR: KHLIM					
ANGULAR TOL ± 3.0 °				THIRD ANGLE PROJECTION											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												DRAWING A3-SIZE		SERIES 87831	
				MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET									
								SHEET NUMBER 6 OF 14							

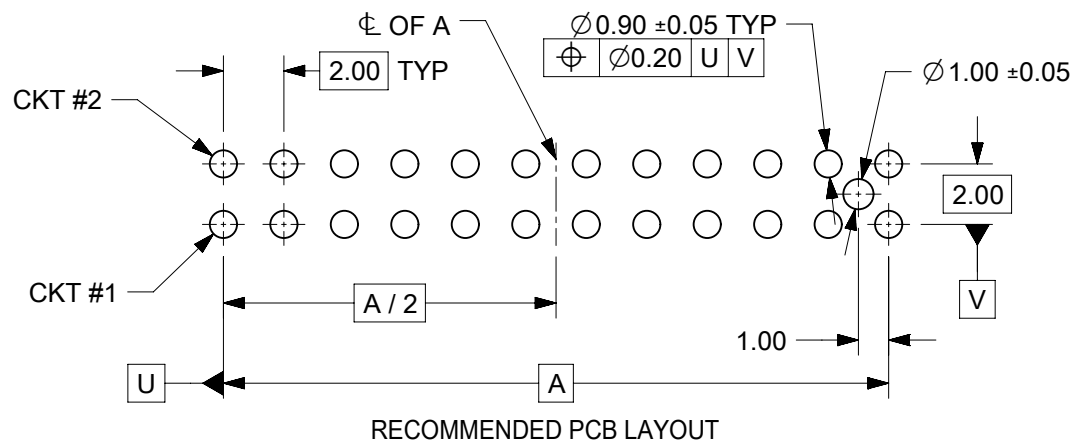
DOCUMENT STATUS	P1	RELEASE DATE	2023/09/11	04:36:51
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10	9	8	7	6	5	4	3	2	1																																																																																																																													
10 TO 12 CIRCUITS																																																																																																																																						
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	PLATING OPTIONS	FRICTION LOCKS		SIDE SLOTS		CENTE R POLARI ZATION	PEG	DIMENSION																																																																																																																										
						DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F	G	H																																																																																																																			
10	87831-1019	N.A	N.A		1	N.A	N.A	YES	N.A	YES	N.A	8.00	10.85	12.65	11.00	N.A	N.A	2.50	3.60±0.20																																																																																																																			
	87831-1020	N.A	87831-1070	2																																																																																																																																		
	87831-1021	N.A	87831-5562	3																																																																																																																																		
	87831-1036	N.A	N.A	4																																																																																																																																		
	87831-1010	N.A	87831-5561	2	N.A	N.A	YES	N.A	YES	N.A	3.50																																																																																																																											
	87831-1011	N.A	N.A	3																																																																																																																																		
	87831-1028	N.A	N.A	2																																																																																																																																		
	87831-1029	N.A	87831-5557	3	N.A	N.A	YES	N.A	YES	YES	3.50																																																																																																																											
	87831-1035	N.A	N.A	3																																																																																																																																		
	87831-1041	N.A	N.A	2													N.A	YES		YES	N.A	N.A	N.A	4.00	2.50																																																																																																													
	87831-1042	N.A	87831-5553	3																																																																																																																																		
	87831-1032	N.A	N.A	2	N.A	YES	YES	N.A	N.A	YES	2.50																																																																																																																											
	87831-1043	N.A	N.A	2													N.A	YES		N.A	YES	N.A	N.A		2.50																																																																																																													
	87831-1044	N.A	N.A	3																				N.A		YES	N.A	YES	N.A	N.A	2.50																																																																																																							
	87831-1045	N.A	N.A	2	N.A	YES	N.A	YES	N.A	YES	2.50																																																																																																																											
87831-1046	N.A	N.A	3																																																																																																																																			
12	87831-1219	N.A	N.A		1	N.A	N.A	YES	N.A	YES	N.A	10.00	12.85	14.65	13.00	N.A	N.A	2.50	3.60±0.20																																																																																																																			
	87831-1220	N.A	87831-5556	2																																																																																																																																		
	87831-1221	N.A	N.A	3																																																																																																																																		
	87831-1236	N.A	N.A	4																																																																																																																																		
	87831-1228	N.A	N.A	2	N.A	N.A	YES	N.A	YES	YES	3.50																																																																																																																											
	87831-1229	N.A	87831-5558	3																																																																																																																																		
	87831-1258	N.A	87831-5567	2																																																																																																																																		
	87831-1241	N.A	N.A	2	N.A	YES	YES	N.A	N.A	N.A	5.00						2.50																																																																																																																					
	87831-1242	N.A	N.A	3																																																																																																																																		
	87831-1255	87831-1256	N.A	2	N.A	YES	YES	N.A	N.A	N.A								3.50																																																																																																																				
	87831-1232	N.A	N.A	2													N.A			YES	YES	N.A	N.A	YES	2.50																																																																																																													
	87831-1243	N.A	N.A	2	N.A	YES	N.A	YES	N.A	N.A	2.50																																																																																																																											
	87831-1244	N.A	N.A	3													N.A	YES		N.A	YES	N.A	N.A	2.50																																																																																																														
	87831-1245	N.A	N.A	2	N.A	YES	N.A	YES	N.A	YES															2.50																																																																																																													
	87831-1246	N.A	N.A	3																																																																																																																																		
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 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 GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL. 4 - 2.50µm/100µin MIN. MATTE TIN OVER 1.25µm/50µin MIN. NICKEL OVERALL.																																																																																																																																						
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION <table><tr><td colspan="2">DIMENSION UNITS</td><td colspan="2">SCALE</td><td colspan="4" rowspan="2">CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512581.</td><td colspan="4" rowspan="2"> molex </td></tr><tr><td colspan="2">mm</td><td colspan="2">NTS</td></tr><tr><td colspan="4">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="4" rowspan="2">EC NO: 761863 DRWN: SUAIFR CHK'D: GGA APPR: GGA 2023/08/14 2023/09/11 2023/09/11</td><td colspan="4" rowspan="2">MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER</td></tr><tr><td colspan="2"></td><td>MM</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>±</td><td></td><td>±</td><td colspan="4" rowspan="2">INITIAL REVISION: DRWN: GMENARLY APPR: KHLIM 2015/04/15 2015/06/29</td><td colspan="2">DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>REVISION</td></tr><tr><td>3 PLACES</td><td>±</td><td></td><td>±</td><td colspan="2">SD-87831-0001</td><td>PSD</td><td>001</td><td>A24</td></tr><tr><td>2 PLACES</td><td>±</td><td>0.2</td><td>±</td><td colspan="4" rowspan="2">THIRD ANGLE PROJECTION</td><td>DRAWING</td><td>SERIES</td><td colspan="2">MATERIAL NUMBER</td><td colspan="2">CUSTOMER</td><td colspan="2">SHEET NUMBER</td></tr><tr><td>1 PLACE</td><td>±</td><td></td><td>±</td><td>A3-SIZE</td><td>87831</td><td colspan="2">SEE TABLE</td><td colspan="2">GENERAL MARKET</td><td colspan="2">8 OF 14</td></tr><tr><td>0 PLACES</td><td>±</td><td></td><td>±</td><td colspan="4" rowspan="3">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">ANGULAR TOL</td><td>±</td><td>3.0 °</td><td colspan="2" rowspan="2"></td><td colspan="2" rowspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr></table>																			DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512581.				molex				mm		NTS		GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 761863 DRWN: SUAIFR CHK'D: GGA APPR: GGA 2023/08/14 2023/09/11 2023/09/11				MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER						MM	INCH	4 PLACES	±		±	INITIAL REVISION: DRWN: GMENARLY APPR: KHLIM 2015/04/15 2015/06/29				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	3 PLACES	±		±	SD-87831-0001		PSD	001	A24	2 PLACES	±	0.2	±	THIRD ANGLE PROJECTION				DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		1 PLACE	±		±	A3-SIZE	87831	SEE TABLE		GENERAL MARKET		8 OF 14		0 PLACES	±		±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										ANGULAR TOL		±	3.0 °																
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512581.				molex																																																																																																																														
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3 PLACES	±		±					SD-87831-0001		PSD	001	A24																																																																																																																										
2 PLACES	±	0.2	±	THIRD ANGLE PROJECTION				DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER																																																																																																																								
1 PLACE	±		±					A3-SIZE	87831	SEE TABLE		GENERAL MARKET		8 OF 14																																																																																																																								
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DOCUMENT STATUS	P1	RELEASE DATE	2023/09/11	04:36:51																																																																																																																																		
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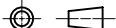
14 TO 50 CIRCUITS



VIEW FOR HEADER WITH CAP



- NOTES:
- MATERIALS:
HOUSING: 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 1
 - 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)

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512581.		molex				
mm		NTS								
GENERAL TOLERANCES (UNLESS SPECIFIED)				MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER						
	MM	INCH	EC NO: 761863 DRWN: SUAIFR CHK'D: GGA APPR: GGA 2023/08/14 2023/09/11 2023/09/11		PRODUCT CUSTOMER DRAWING					
4 PLACES	±	±								
3 PLACES	±	±								
2 PLACES	±	0.2			±					
1 PLACE	±	±	INITIAL REVISION: DRWN: GMENARLY APPR: KHLIM 2015/04/15 2015/06/29		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
0 PLACES	±	±			SD-87831-0001		PSD	001	A24	
ANGULAR TOL		± 3.0 °								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
				A3-SIZE	87831	SEE TABLE		GENERAL MARKET		9 OF 14

10	9	8	7	6	5	4	3	2	1												
14 TO 20 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	PLATING OPTIONS	FRICTION LOCKS		SIDE SLOTS		CENTER POLARIZATION	PEG	DIMENSION									
						DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F	G	H		
14	87831-1419	N.A	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	12.00	14.85	16.65	15.00	8.00	N.A	2.50	3.60±0.20		
	87831-1420	87831-1430	87831-5554	N.A	2																
	87831-1421	N.A	87831-5560	N.A	3																
	87831-1436	N.A	N.A	N.A	4																
	87831-1428	N.A	87831-5564	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50			
	87831-1429	N.A	87831-5563	N.A	3													3.50			
	87831-1435	N.A	N.A	N.A	3	YES	N.A	YES	N.A	YES	N.A							3.50			
	87831-1410	N.A	N.A	N.A	2													3.50			
87831-1411	N.A	N.A	N.A	3	YES	N.A	YES	N.A	YES	N.A											
16	87831-1619	N.A	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	14.00	16.85	18.65	17.00	10.00	N.A	2.50	3.60±0.20		
	87831-1620	N.A	N.A	N.A	2																
	87831-1621	N.A	N.A	N.A	3																
	87831-1636	N.A	N.A	N.A	4																
	87831-1628	N.A	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50			
	87831-1629	N.A	87831-5559	N.A	3													3.50			
	87831-1635	N.A	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES										
18	87831-1819	N.A	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	16.00	18.85	20.65	19.00	12.00	N.A	2.50	3.60±0.20		
	87831-1820	N.A	87831-5566	87831-1830	2																
	87831-1821	N.A	N.A	N.A	3																
	87831-1836	N.A	N.A	N.A	4																
	87831-1828	N.A	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50			
	87831-1829	N.A	N.A	N.A	3																
20	87831-2019	N.A	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	18.00	20.85	22.65	21.00	14.00	N.A	2.50	3.60±0.20		
	87831-2020	N.A	N.A	87831-2050	2																
	87831-2021	N.A	N.A	N.A	3																
	87831-2036	N.A	N.A	N.A	4																
	87831-2028	N.A	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50			
	87831-2029	N.A	N.A	N.A	3													3.50			
	87831-2035	N.A	N.A	N.A	3	YES	N.A	YES	N.A	YES	N.A							3.50			
	87831-2010	N.A	N.A	N.A	2																
	87831-2011	N.A	87831-2041	87831-2051	3	YES	N.A	YES	N.A	YES	N.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 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 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.																					
DOCUMENT STATUS		P1	RELEASE DATE	2023/09/11	04:36:51																
FORMAT: Met-lega-master-ib-prod-A3 REVISION: E1 DATE: 2021/05/01		9	8	7	6	5	4	3	2	1											

10		9		8		7		6		5		4		3		2		1			
22 TO 30 CIRCUITS																					
F	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	PLATING OPTIONS	FRICTION LOCKS		SIDE SLOTS		CENTER POLARIZATION	PEG	DIMENSION								
							DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F	G	H	
	22	87831-2219	N.A	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	20.00	22.85	24.65	23.00	16.00	N.A	2.50	3.60±0.20	
		87831-2220	N.A	N.A	N.A	2															
		87831-2221	N.A	N.A	N.A	3															
		87831-2236	N.A	N.A	N.A	4															
		87831-2228	N.A	N.A	N.A	2															
87831-2229	N.A	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES	2.50										
E	24	87831-2419	N.A	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	22.00	24.85	26.65	25.00	18.00	N.A	2.50	3.60±0.20	
		87831-2420	N.A	N.A	87831-7420	2															
		87831-2421	N.A	N.A	N.A	3															
		87831-2436	N.A	N.A	N.A	4															
		87831-2428	N.A	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES									2.50
		87831-2429	N.A	N.A	N.A	3															
		87831-2435	N.A	N.A	N.A	3															
		87831-2445	N.A	N.A	N.A	3															
	87831-2410	N.A	N.A	N.A	2	YES	N.A	YES	N.A	YES	N.A	3.50									
D	26	87831-2619	N.A	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	24.00	26.85	28.65	27.00	20.00	N.A	2.50	3.60±0.20	
		87831-2620	87831-2630	87831-5555	N.A	2															
		87831-2621	N.A	N.A	N.A	3															
		87831-2636	N.A	N.A	N.A	4															
		87831-2628	N.A	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES									2.50
		87831-2629	N.A	N.A	N.A	3															
		87831-2610	N.A	N.A	N.A	2													YES		
C	28	87831-2819	N.A	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	26.00	28.85	30.65	29.00	22.00	N.A	2.50	3.60±0.20	
		87831-2820	N.A	N.A	N.A	2															
		87831-2821	N.A	N.A	N.A	3															
		87831-2836	N.A	N.A	N.A	4															
		87831-2828	N.A	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES									2.50
		87831-2829	N.A	N.A	N.A	3															
B	30	87831-3019	N.A	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	28.00	30.85	32.65	31.00	24.00	N.A	2.50	3.60±0.20	
		87831-3020	N.A	N.A	N.A	2															
		87831-3021	N.A	N.A	N.A	3															
		87831-3036	N.A	N.A	N.A	4															
		87831-3028	N.A	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES									2.50
		87831-3029	N.A	N.A	N.A	3															
		87831-3035	N.A	N.A	N.A	3															
		87831-3037	N.A	N.A	N.A	3													YES		
		87831-3010	87831-3030	87831-3050	N.A	2	YES	N.A	YES	N.A	YES	N.A							3.50		
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 GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.																					
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4 - 2.50µm/100µin MIN. MATTE TIN OVER 1.25µm/50µin MIN. NICKEL OVERALL.																					
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DIMENSION UNITS

mm

SCALE

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		

EC NO: 761863
DRWN: SUAIFR
CHK'D: GGA
APPR: GGA

2023/08/14
2023/09/11
2023/09/11

INITIAL REVISION:
DRWN: GMENARLY
APPR: KHLIM

2015/04/15
2015/06/29

DOCUMENT NUMBER

SD-87831-0001

DOC TYPE

PSD

DOC PART

001

REVISION

A24

PRODUCT CUSTOMER DRAWING

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

A3-SIZE

87831

SEE TABLE

GENERAL MARKET

11 OF 14

FORMAT: Met-lega-master-ib-prod-A3
REVISION: E1
DATE: 2021/05/01

10	9	8	7	6	5	4	3	2	1									
32 TO 40 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	PLATING OPTIONS	FRICTION LOCKS		SIDE SLOTS		CENTER POLARIZATION	PEG	DIMENSION							
					DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F	G	H
32	87831-3219	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	30.00	32.85	34.65	33.00	26.00	N.A	2.50	3.60±0.20
	87831-3220	N.A	N.A	2														
	87831-3221	N.A	N.A	3														
	87831-3236	N.A	N.A	4														
	87831-3228	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
	87831-3229	N.A	N.A	3														
34	87831-3419	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	32.00	34.85	36.65	35.00	28.00	N.A	2.50	3.60±0.20
	87831-3420	N.A	N.A	2														
	87831-3421	N.A	N.A	3														
	87831-3436	N.A	N.A	4														
	87831-3428	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
	87831-3429	N.A	N.A	3														
	87831-3435	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES							3.50	
36	87831-3619	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	34.00	36.85	38.65	37.00	30.00	N.A	2.50	3.60±0.20
	87831-3620	N.A	87831-5564	2														
	87831-3621	N.A	N.A	3														
	87831-3636	N.A	N.A	4														
	87831-3628	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
	87831-3629	N.A	N.A	3														
38	87831-3819	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	36.00	38.85	40.65	39.00	32.00	N.A	2.50	3.60±0.20
	87831-3820	N.A	N.A	2														
	87831-3821	N.A	N.A	3														
	87831-3836	N.A	N.A	4														
	87831-3828	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
	87831-3829	N.A	N.A	3														
40	87831-4019	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	38.00	40.85	42.65	41.00	34.00	N.A	2.50	3.60±0.20
	87831-4020	N.A	N.A	2														
	87831-4021	N.A	N.A	3														
	87831-4036	N.A	N.A	4														
	87831-4028	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
	87831-4029	N.A	N.A	3														
	87831-4010	N.A	N.A	2	YES	N.A	YES	N.A	YES	N.A							3.50	
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 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 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.																		
DOCUMENT STATUS	P1	RELEASE DATE	2023/09/11	04:36:51	7	6	5	4	3	2	1							
FORMAT: Mxl-lega-master-ib-prod-A3 REVISION: E1 DATE: 2021/05/01					9	8	7	6	5	4	3	2	1					

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DIMENSION UNITS

mm

SCALE

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		

CURRENT REV DESC: REMOVED OBSOLETE PART
NUMBERS AS PER PCN#512581.

EC NO: 761863
DRWN: SUAIFR
CHK'D: GGA
APPR: GGA

2023/08/14
2023/09/11
2023/09/11

INITIAL REVISION:

DRWN: GMENARLY
APPR: KHLIM

2015/04/15
2015/06/29

THIRD ANGLE PROJECTION

DRAWING
A3-SIZE

SERIES
87831

DOCUMENT NUMBER

SD-87831-0001

DOC TYPE
PSD

DOC PART
001

REVISION
A24

PRODUCT CUSTOMER DRAWING

MATERIAL NUMBER

SEE TABLE

CUSTOMER
GENERAL MARKET

SHEET NUMBER
12 OF 14

10		9		8		7		6		5		4		3		2		1		
42 TO 50 CIRCUITS																				
F	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	PLATING OPTIONS	FRICTION LOCKS		SIDE SLOTS		CENTER POLARIZATI ON	PEG	DIMENSION							
							DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F	G	H
	42	87831-4219	N.A	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	40.00	42.85	44.65	43.00	36.00	N.A	2.50	3.60±0.20
		87831-4220	N.A	N.A	87831-4230	2														
		87831-4221	N.A	N.A	N.A	3														
		87831-4236	N.A	N.A	N.A	4														
		87831-4228	N.A	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
87831-4229	N.A	N.A	N.A	3																
E	44	87831-4419	N.A	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	42.00	44.85	46.65	45.00	38.00	N.A	2.50	3.60±0.20
		87831-4420	N.A	N.A	N.A	2														
		87831-4421	N.A	N.A	N.A	3														
		87831-4436	N.A	N.A	N.A	4														
		87831-4428	N.A	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
		87831-4429	N.A	N.A	N.A	3														
	87831-4435	N.A	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES	3.50								
D	46	87831-4619	N.A	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	44.00	46.85	48.65	47.00	40.00	N.A	2.50	3.60±0.20
		87831-4620	N.A	N.A	N.A	2														
		87831-4621	N.A	N.A	N.A	3														
		87831-4636	N.A	N.A	N.A	4														
		87831-4628	N.A	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
		87831-4629	N.A	N.A	N.A	3														
	C	48	87831-4819	N.A	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	46.00	48.85	50.65	49.00	42.00	N.A	2.50
87831-4820			N.A	N.A	N.A	2														
87831-4821			N.A	N.A	N.A	3														
87831-4836			N.A	N.A	N.A	4														
87831-4828			N.A	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES	2.50							
87831-4829		N.A	N.A	N.A	3															
B	50	87831-5019	N.A	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	48.00	50.85	52.65	51.00	44.00	N.A	2.50	3.60±0.20
		87831-5020	N.A	N.A	N.A	2														
		87831-5021	N.A	N.A	N.A	3														
		87831-5036	N.A	N.A	N.A	4														
		87831-5028	N.A	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
		87831-5029	N.A	N.A	N.A	3														
	87831-5035	N.A	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES	3.50								
B																				
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 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 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.																				
A																				
DOCUMENT STATUS		P1	RELEASE DATE		2023/09/11	04:36:51														
10		9		8		7		6		5		4		3		2		1		

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

DIMENSION UNITS

mm

SCALE

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		

CURRENT REV DESC: REMOVED OBSOLETE PART
NUMBERS AS PER PCN#512581.

EC NO: 761863

DRWN: SUAIFR

CHK'D: GGA

APPR: GGA

2023/08/14

2023/09/11

2023/09/11

INITIAL REVISION:

DRWN: GMENARLY

APPR: KHLIM

2015/04/15

2015/06/29

DOCUMENT NUMBER

SD-87831-0001

DOC TYPE

PSD

DOC PART

001

REVISION

A24

PRODUCT CUSTOMER DRAWING

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

87831

MATERIAL NUMBER

SEE TABLE

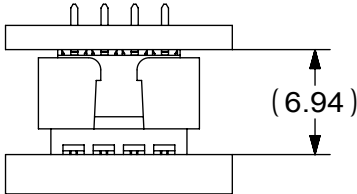
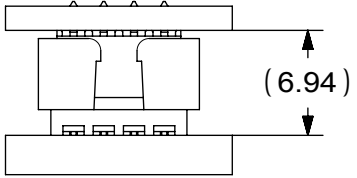
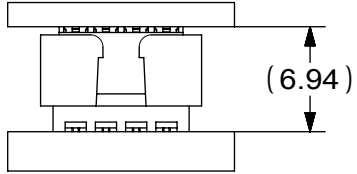
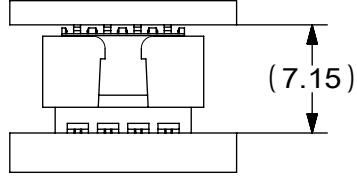
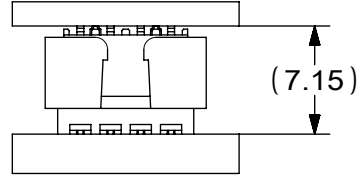
CUSTOMER

GENERAL MARKET

SHEET NUMBER

13 OF 14

BOARD TO BOARD (BTB) DISTANCE

HEADER	MATES WITH (RECEPTACLE)	BTB DIST.	PICTORIAL VIEW
87831	79107	6.94	
	78787	6.94	
	79108	6.94	
	79109	7.15	
	78788	7.15	

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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512581.				molex												
mm		NTS																		
GENERAL TOLERANCES (UNLESS SPECIFIED)								MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER												
														MM		INCH				
4 PLACES		±		±	EC NO: 761863 DRWN: SUAIFR 2023/08/14 CHK'D: GGA 2023/09/11 APPR: GGA 2023/09/11				PRODUCT CUSTOMER DRAWING											
3 PLACES		±		±																
2 PLACES		±	0.2	±					DOCUMENT NUMBER SD-87831-0001						DOC TYPE PSD		DOC PART 001		REVISION A24	
1 PLACE		±		±																
0 PLACES		±		±	INITIAL REVISION: DRWN: DRWN BY XXXX/XX/XX APPR: APPR BY XXXX/XX/XX															
ANGULAR TOL		±	3.0 °																	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER						
						A3-SIZE		87831				GENERAL MARKET		14 OF 14						