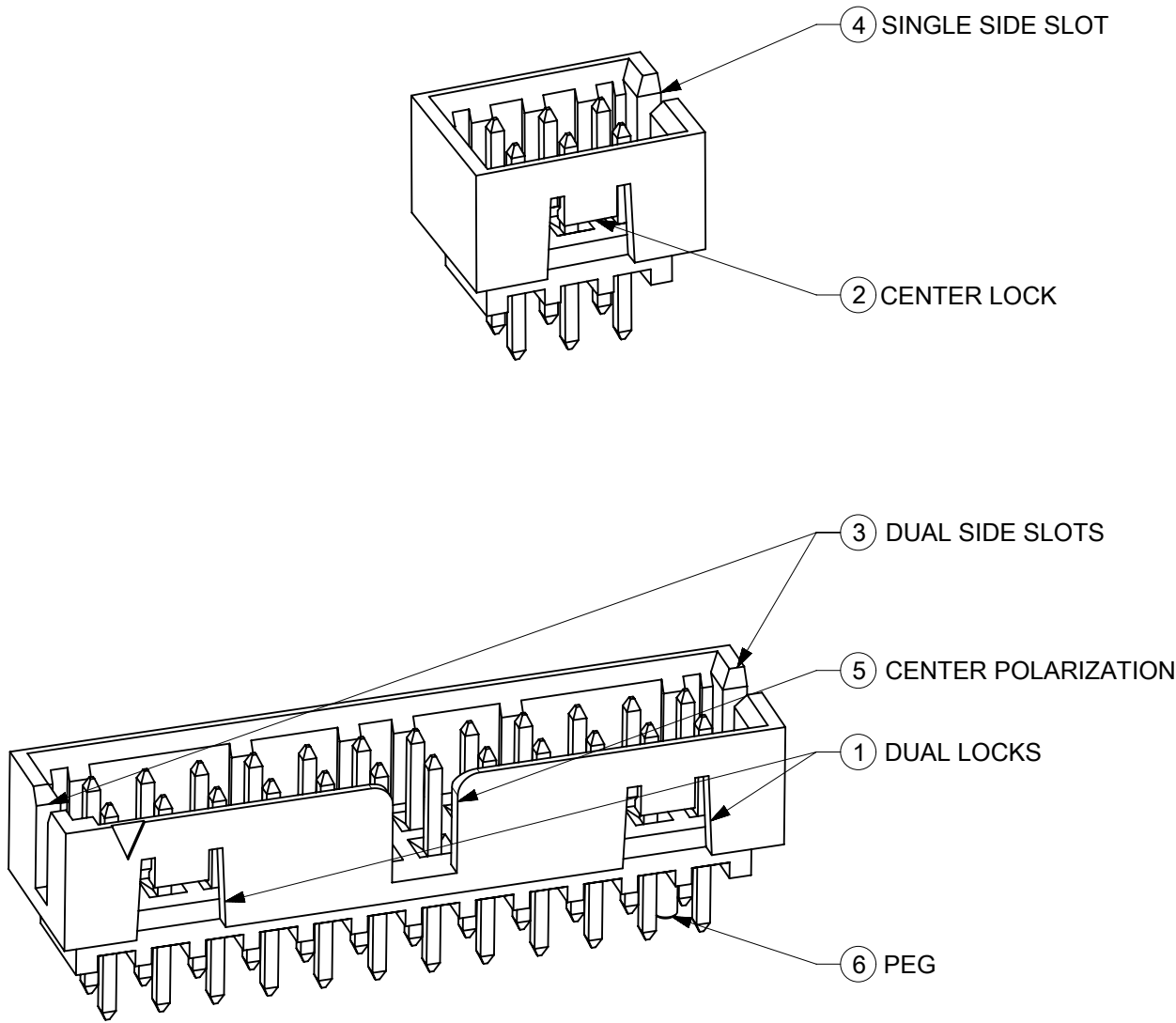


FEATURES SELECTION GUIDE



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	

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		

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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		

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

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

molex

MILLIGRID
2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

SD-87831-0001

PSD

001

A24

SEE TABLE

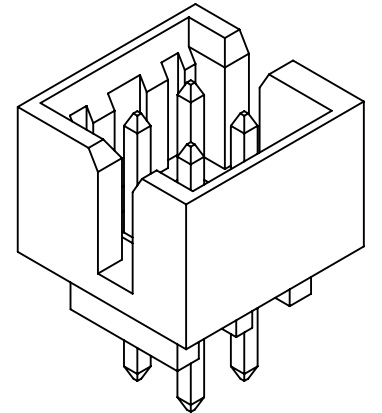
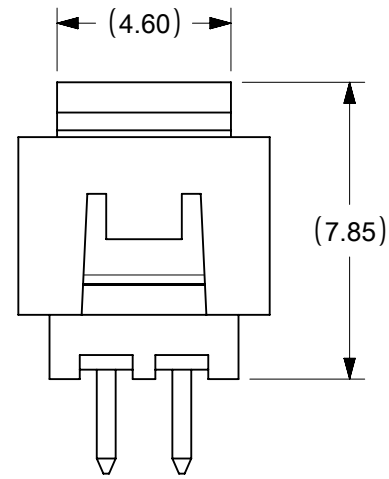
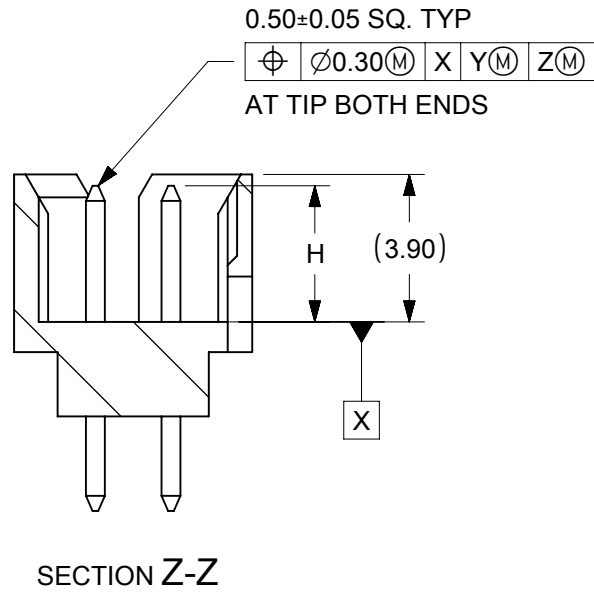
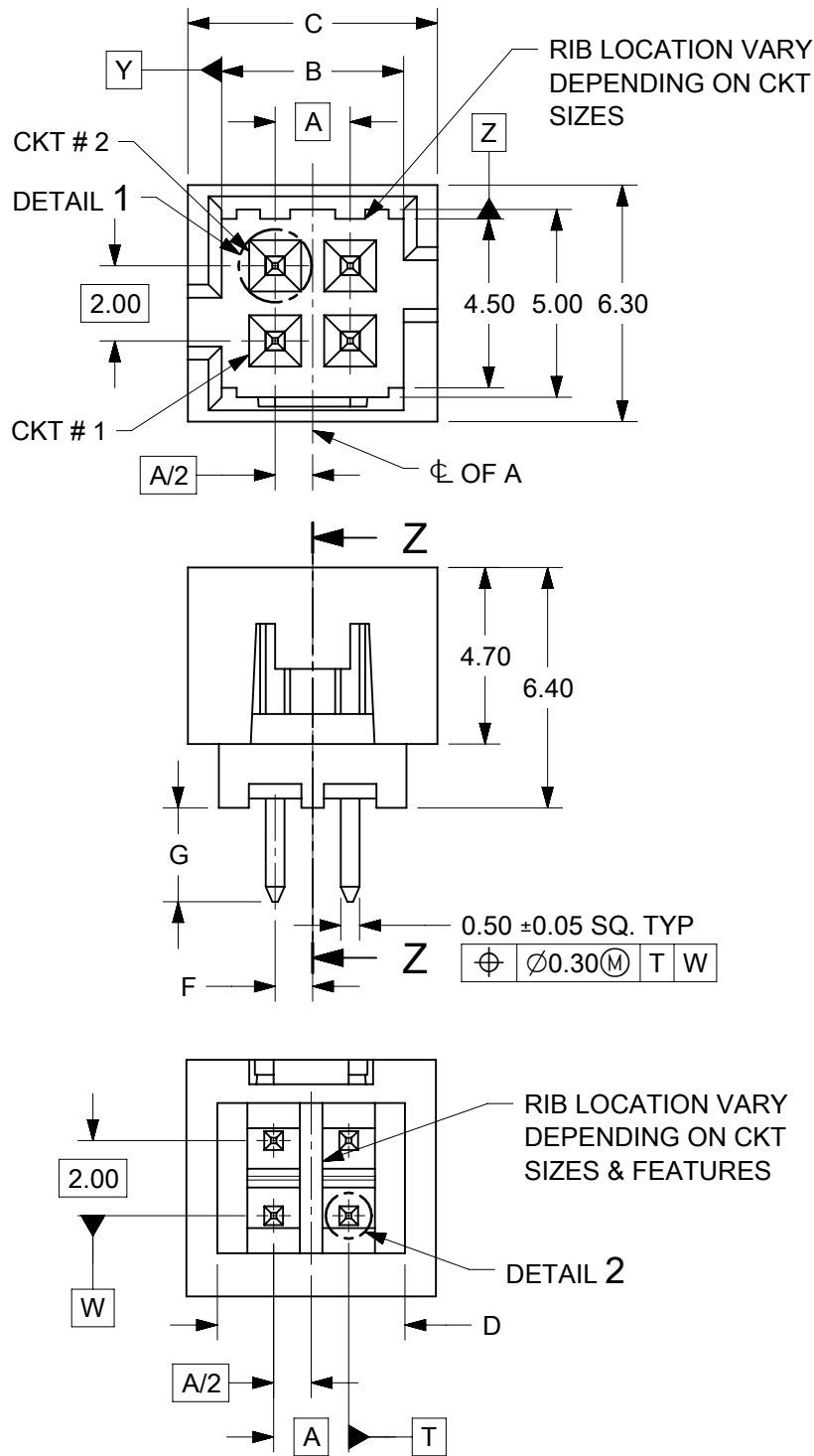
GENERAL MARKET

1 OF 14

A3-SIZE

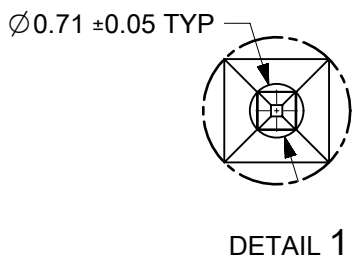
87831

4 CIRCUITS

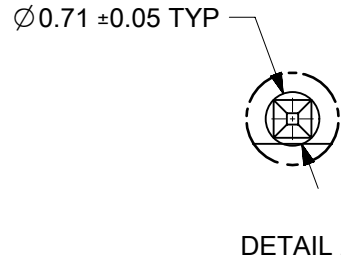


VIEW FOR
HEADER WITH CAP

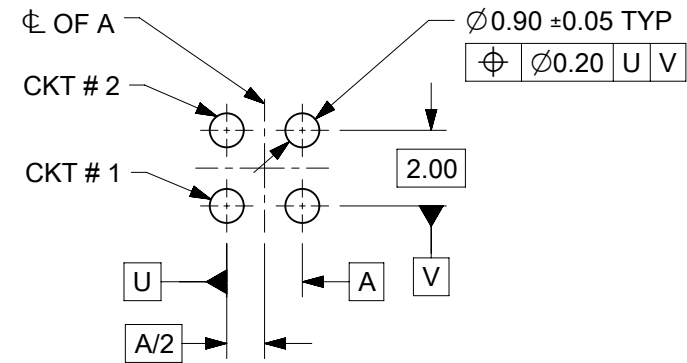
VIEW FOR HEADER
WITH ONLY DUAL SLOTS



DETAIL 1

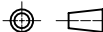


DETAIL 2



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)									
	MM	INCH							
4 PLACES	±		±	EC NO: 761863 DRWN: SUAIFR 2023/08/14 CHK'D: GGA 2023/09/11 APPR: GGA 2023/09/11		MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER			
3 PLACES	±		±						
2 PLACES	±	0.2	±						
1 PLACE	±		±	INITIAL REVISION: DRWN: GKMENARLY 2015/04/15 APPR: KHLIM 2015/06/29		PRODUCT CUSTOMER DRAWING			
0 PLACES	±		±						
ANGULAR TOL		± 3.0 °							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
						A3-SIZE		87831	
						MATERIAL NUMBER		CUSTOMER	
						SEE TABLE		GENERAL MARKET	
						SHEET NUMBER			
						2 OF 14			

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															2.50
	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								2.50		
	87831-6142	N.A	N.A	3															3.60 ^{+0.15} -0.10
	87831-0443	N.A	N.A	2	N.A	YES	N.A	YES	N.A	N.A									
	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.

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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		

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

87831

DOCUMENT NUMBER

SD-87831-0001

CUSTOMER

GENERAL MARKET

SHEET NUMBER

3 OF 14

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

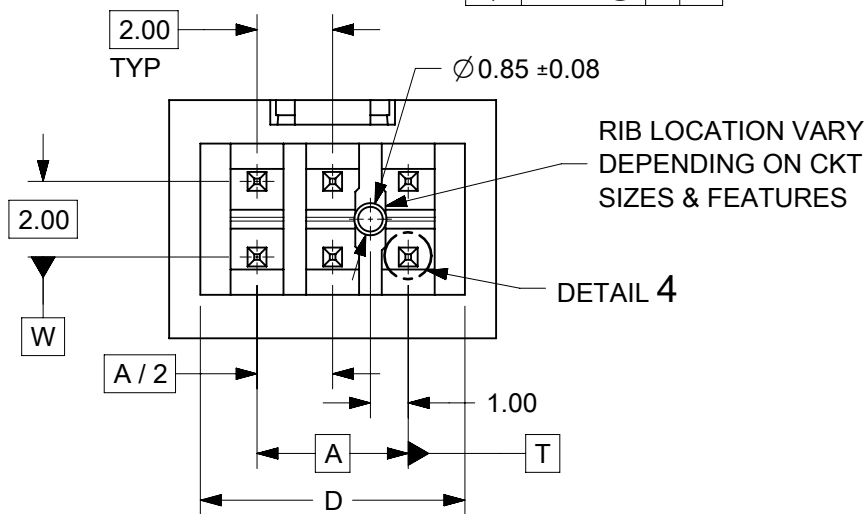
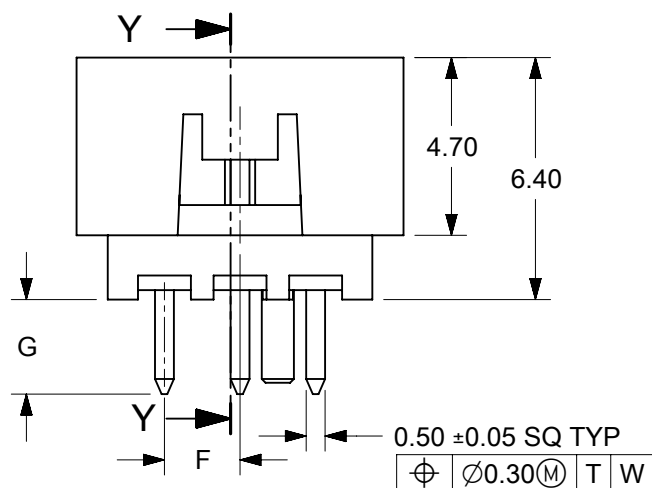
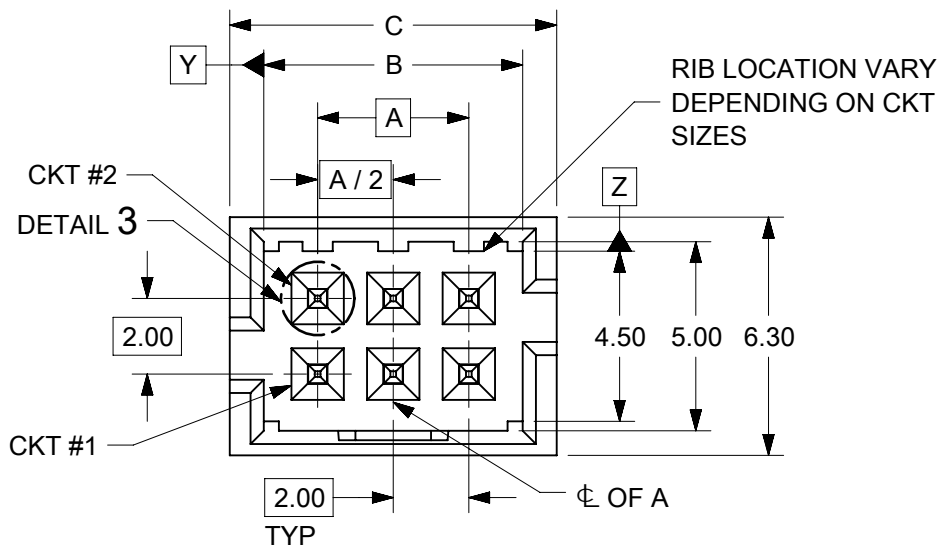
molex

MILLIGRID
2MM PITCH, THROUGH HOLE VERTICAL SHROUDED
HEADER

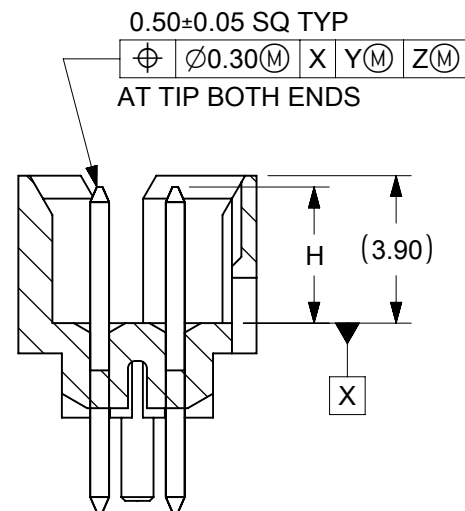
PRODUCT CUSTOMER DRAWING

DOCUMENT STATUS	P1	RELEASE DATE	2023/09/11	04:36:51
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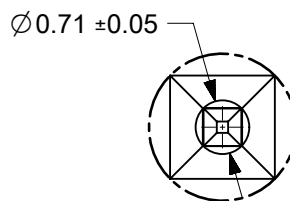
9	8	7	6	5	4	3	2	1
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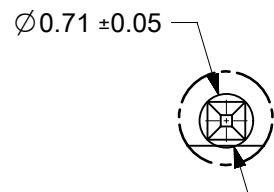
6 CIRCUITS



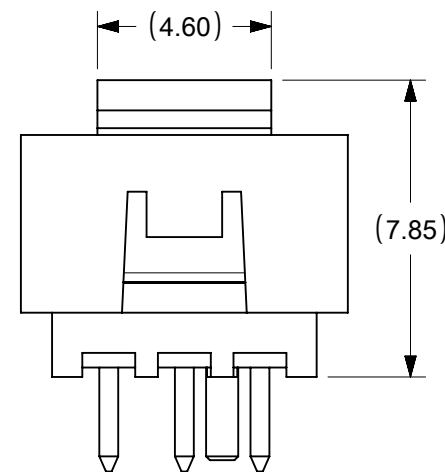
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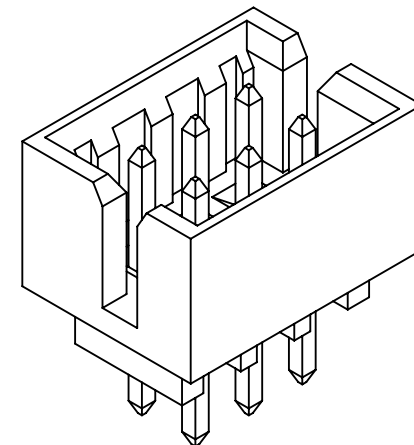
DETAIL 3



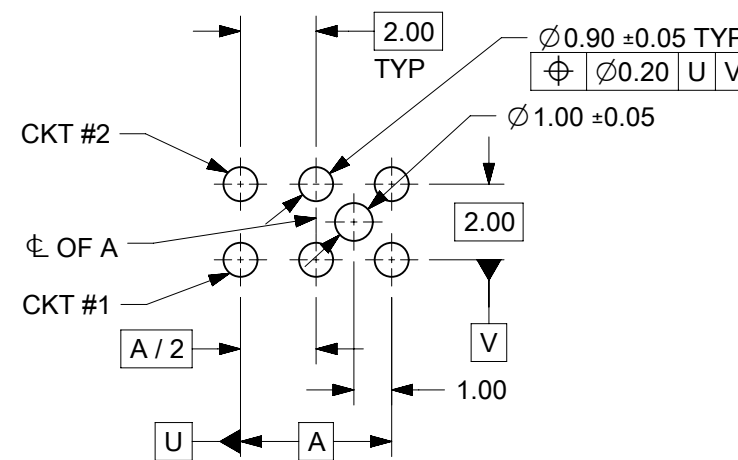
DETAIL 4



VIEW FOR
HEADER WITH CAP



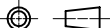
VIEW FOR HEADER WITH
ONLY DUAL SLOTS



RECOMMENDED PCB LAYOUT

NOTES:

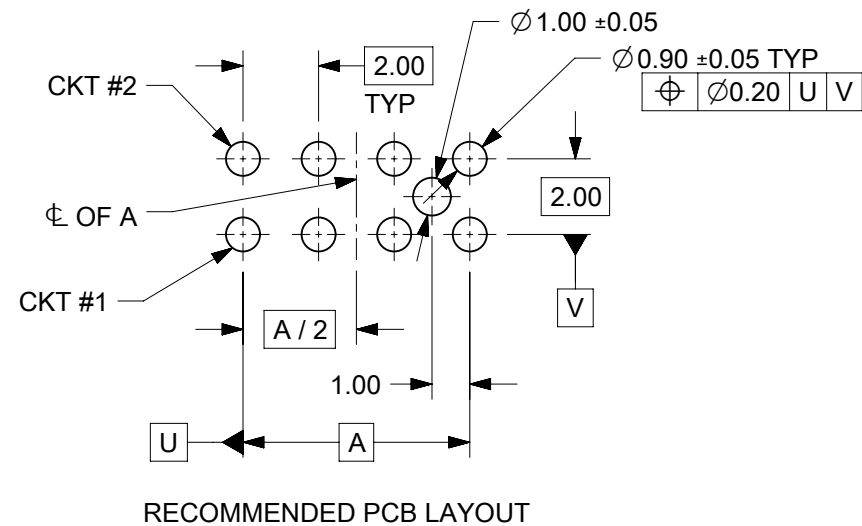
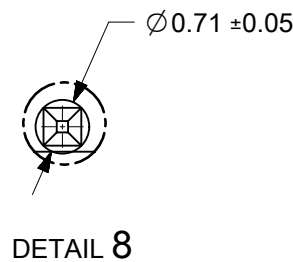
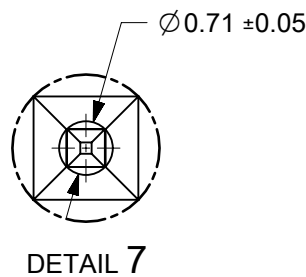
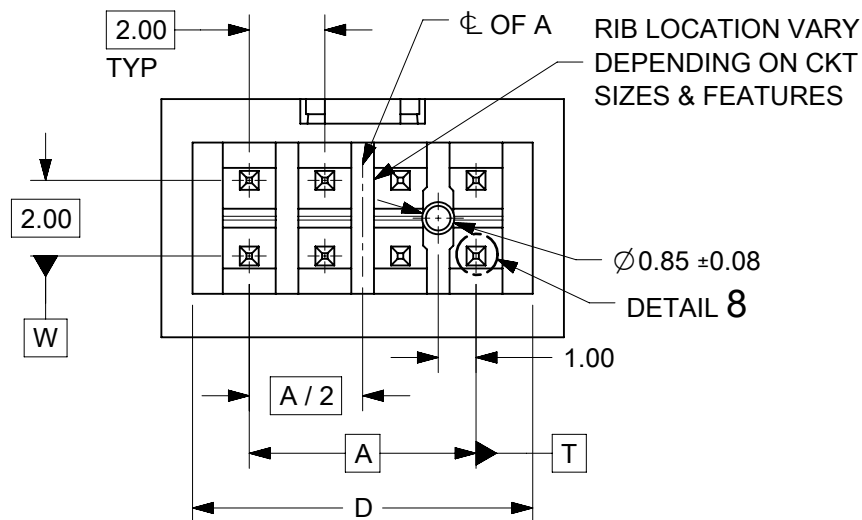
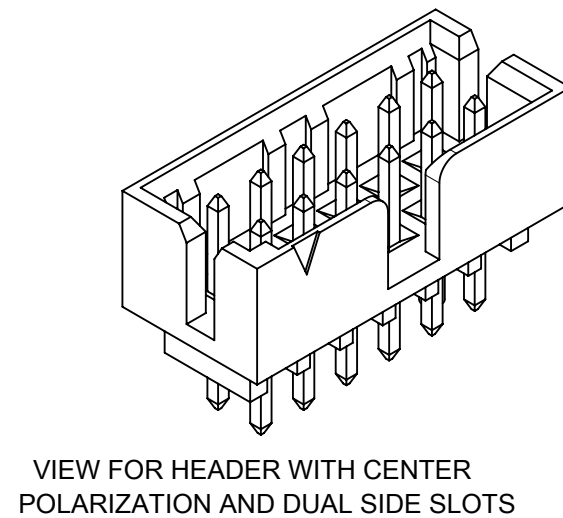
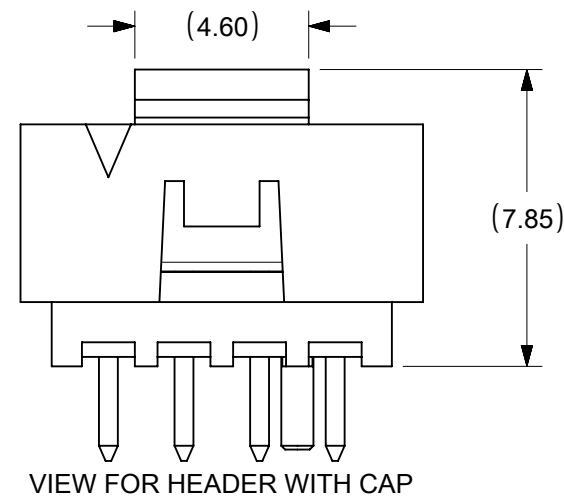
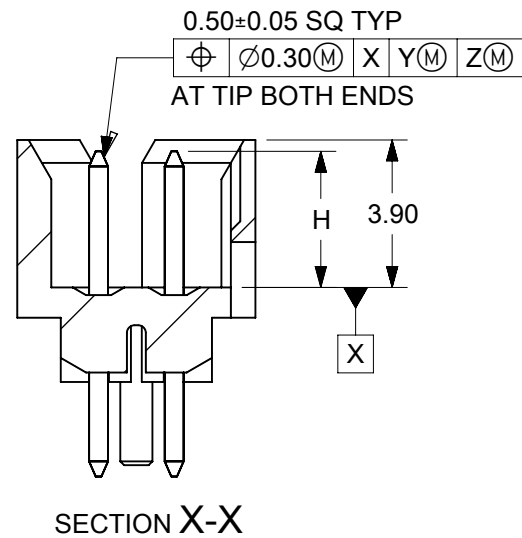
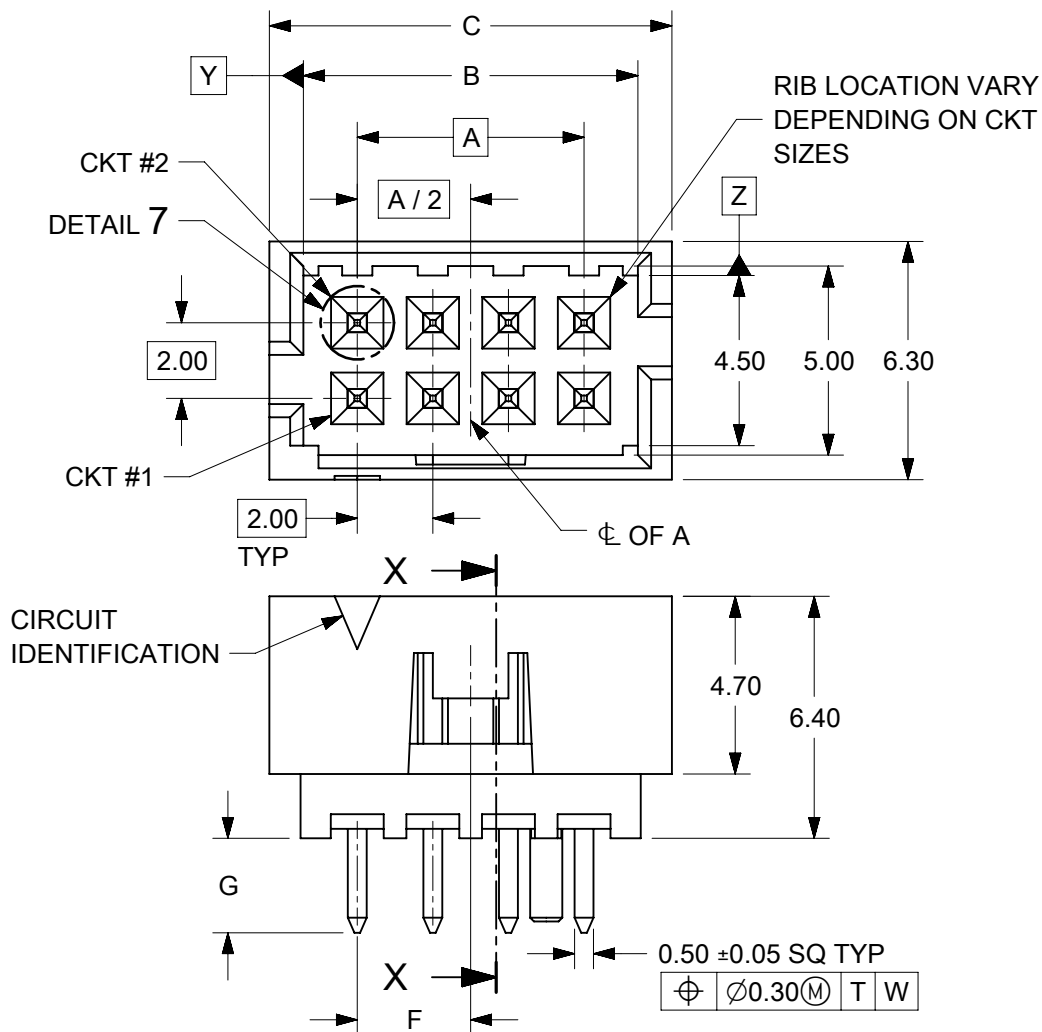
- MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50mm SQ PHOSPHOR BRONZE
- FINISHES: REFER TO PLATING OPTIONS
- PRODUCT SPECIFICATION: PS-87831-027
- PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
- MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND CRIMP 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)							MILLIGRID 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	±		±	INITIAL REVISION: DRWN: GMENARLY APPR: KHLIM 2015/04/15 2015/06/29			PRODUCT CUSTOMER DRAWING				
0 PLACES	±		±								
ANGULAR TOL ± 3.0 °				DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SD-87831-0001			PSD	001	A24		
				MATERIAL NUMBER			CUSTOMER			SHEET NUMBER	
				SEE TABLE			GENERAL MARKET			4 OF 14	
THIRD ANGLE PROJECTION				DRAWING		SERIES					
				A3-SIZE		87831					

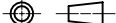
DOCUMENT STATUS	P1	RELEASE DATE	2023/09/11	04:36:51
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6 CIRCUITS																					
F	CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	PLATING OPTIONS	FRICTION LOCKS		SIDE SLOTS		CENTER POLARIZATION	PEG	DIMENSION									
						DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F	G	H		
E	6	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																
		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																
		87831-5241	N.A	N.A	2	N.A	YES	YES	N.A	N.A	N.A							3.50			
		87831-5242	N.A	N.A	3																
D	87831-6241	N.A	N.A	2	N.A	YES	YES	N.A	N.A	N.A	2.80										
	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																	
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										
	87831-5119	N.A	N.A	1	N.A	N.A	YES	N.A	YES	N.A	N.A						2.50	3.60±0.20			
87831-5121	N.A	N.A	3																		
87831-5136	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 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					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			
												GENERAL TOLERANCES (UNLESS SPECIFIED)						MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER			
												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		SERIES			
														A3-SIZE		87831					
												MATERIAL NUMBER		CUSTOMER				SHEET NUMBER			
												SEE TABLE		GENERAL MARKET				5 OF 14			
																		</			

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 MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER			
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
	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	±	±							
0 PLACES	±	±							
ANGULAR TOL		± 3.0 °		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER
				A3-SIZE	87831	SEE TABLE		GENERAL MARKET	6 OF 14
						SD-87831-0001		PSD	001 A24

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								
	87831-1035	N.A	N.A		3														
	87831-1041	N.A	N.A		2														
	87831-1042	N.A	87831-5553		3	N.A	YES	YES	N.A	N.A	N.A						2.50		
	87831-1032	N.A	N.A		2														
	87831-1043	N.A	N.A		2														
	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														
	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
	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								2.50
	87831-1242	N.A	N.A		3														
	87831-1255	87831-1256	N.A		2												N.A	YES	
	87831-1232	N.A	N.A		2														
	87831-1243	N.A	N.A		2														
	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														
	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.																		
DOCUMENT STATUS		P1	RELEASE DATE	2023/09/11	04:36:51														
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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

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		THIRD ANGLE PROJECTION DRAWING A3-SIZE SERIES 87831

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

MILLIGRID

2MM PITCH, THROUGH HOLE VERTICAL SHROUDED
HEADER

PRODUCT CUSTOMER DRAWING

MATERIAL NUMBER

SEE TABLE

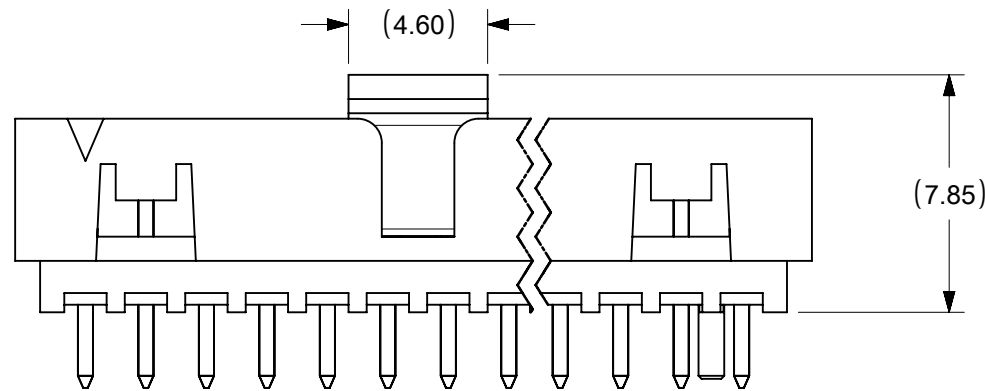
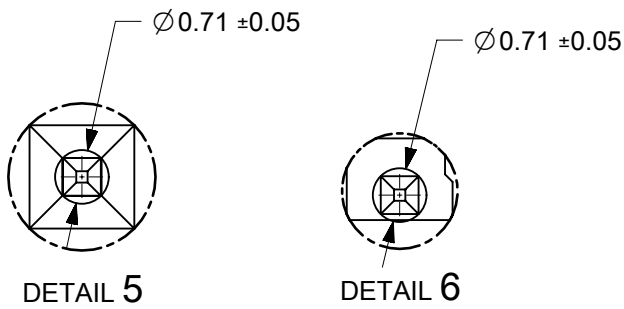
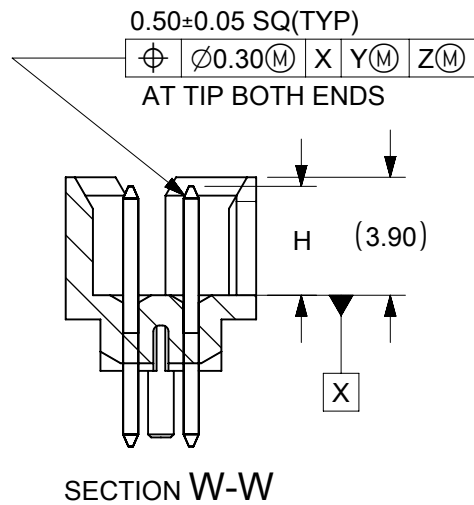
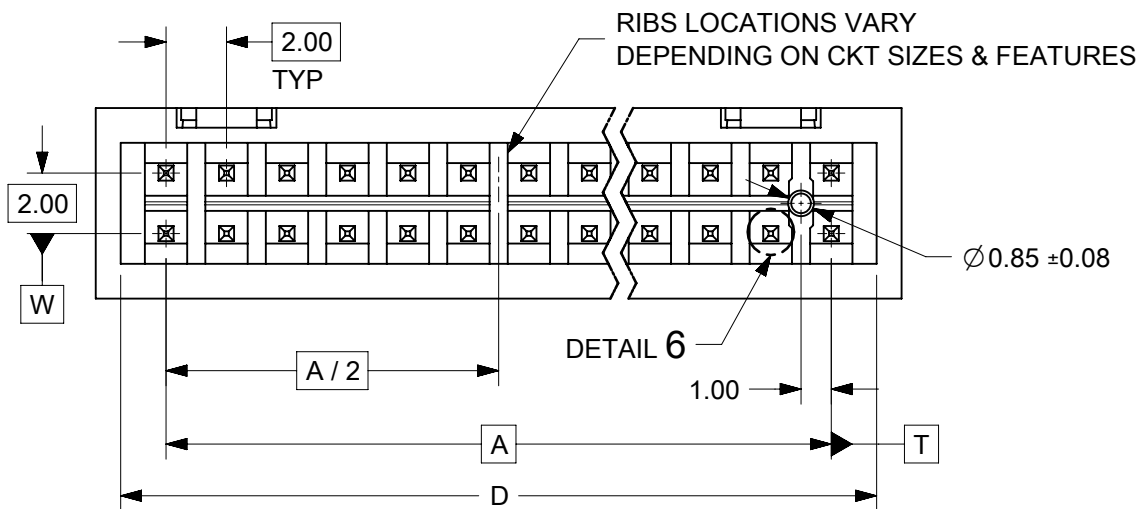
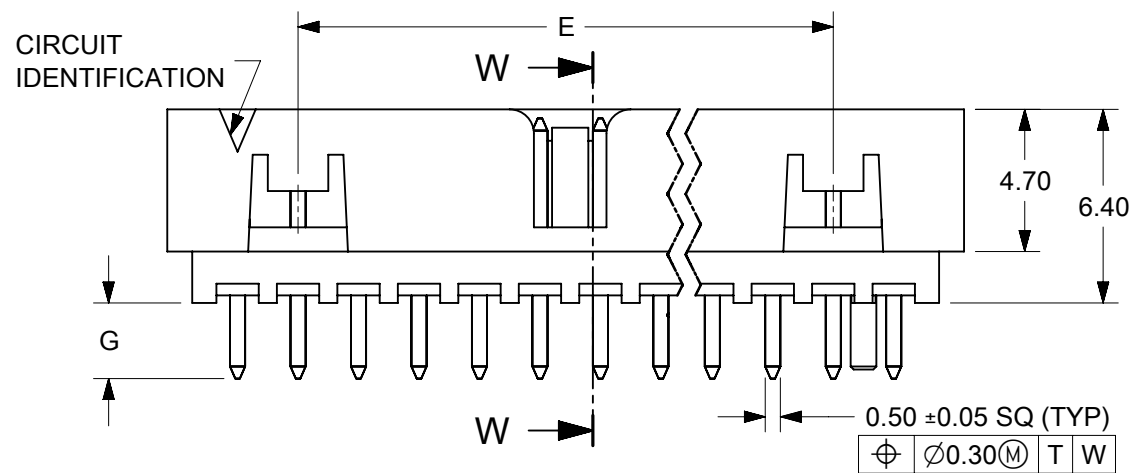
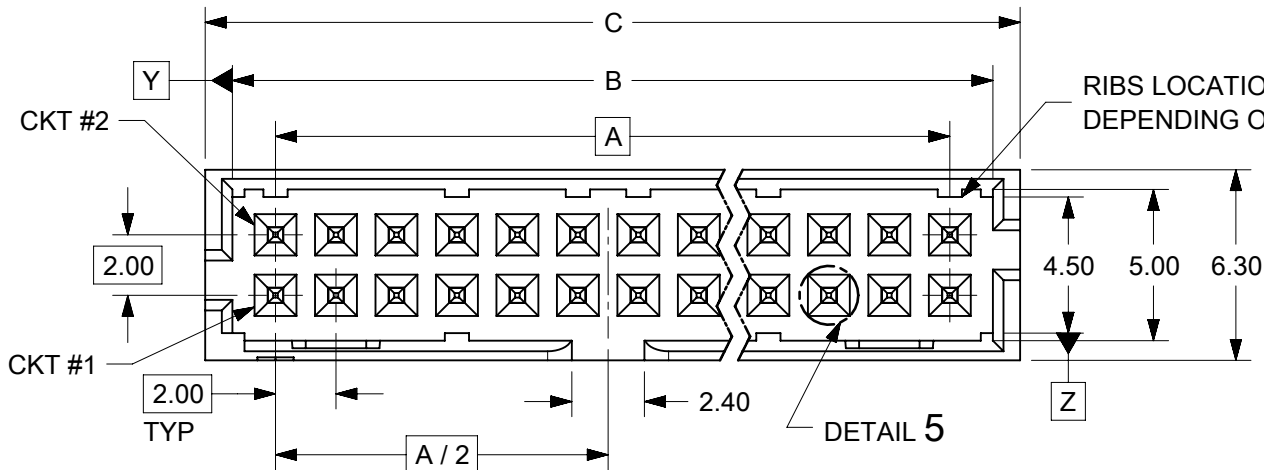
CUSTOMER

GENERAL MARKET

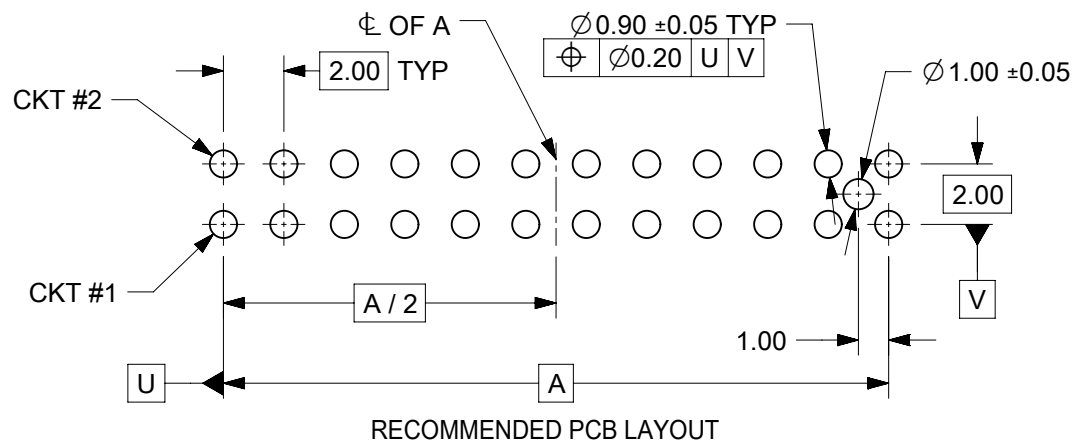
SHEET NUMBER

8 OF 14

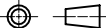
14 TO 50 CIRCUITS



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)

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				MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER					
4 PLACES	±	±										
3 PLACES	±	±										
2 PLACES	±	0.2	±	EC NO: 761863 DRWN: SUAIFR CHK'D: GGA APPR: GGA 2023/08/14 2023/09/11 2023/09/11			PRODUCT CUSTOMER DRAWING					
1 PLACE	±	±										
0 PLACES	±	±		INITIAL REVISION: DRWN: GMENARLY APPR: KHLIM 2015/04/15 2015/06/29			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
ANGULAR TOL ± 3.0 °							SD-87831-0001		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		9 OF 14

10	9	8	7	6	5	4	3	2	1																																																																																		
22 TO 30 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																																																																								
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	YES	N.A	YES	N.A	YES	YES							2.50																																																																									
	87831-2229	N.A	N.A	N.A	3																																																																																						
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																																																																		
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	N.A	YES	N.A	YES	N.A	3.50																																																																	
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																																																																																						
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																																																																																						
	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.										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION <table><tr><td>DIMENSION UNITS</td><td>SCALE</td><td colspan="2" rowspan="4">CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512581.</td><td colspan="3" rowspan="4"> molex </td></tr><tr><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="3" rowspan="3">MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER</td></tr><tr><td></td><td>MM</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>±</td><td></td><td>±</td></tr><tr><td>3 PLACES</td><td>±</td><td></td><td>±</td><td rowspan="4">EC NO: 761863 DRWN: SUAIFR CHK'D: GGA APPR: GGA</td><td rowspan="4">2023/08/14 2023/09/11 2023/09/11</td><td colspan="3" rowspan="4">PRODUCT CUSTOMER DRAWING</td></tr><tr><td>2 PLACES</td><td>±</td><td>0.2</td><td>±</td></tr><tr><td>1 PLACE</td><td>±</td><td></td><td>±</td><td colspan="2" rowspan="2">INITIAL REVISION: DRWN: GMENARLY APPR: KHLIM</td><td colspan="2" rowspan="2">DOCUMENT NUMBER SD-87831-0001</td><td rowspan="2">DOC TYPE PSD</td><td rowspan="2">DOC PART 001</td><td rowspan="2">REVISION A24</td></tr><tr><td>0 PLACES</td><td>±</td><td></td><td>±</td></tr><tr><td colspan="2">ANGULAR TOL</td><td colspan="2">± 3.0 °</td><td colspan="2">THIRD ANGLE PROJECTION</td><td>DRAWING</td><td>SERIES</td><td>MATERIAL NUMBER</td><td colspan="2">CUSTOMER</td><td colspan="2">SHEET NUMBER</td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2"></td><td colspan="2">A3-SIZE</td><td>87831</td><td>SEE TABLE</td><td colspan="2">GENERAL MARKET</td><td colspan="2">11 OF 14</td></tr></table>										DIMENSION UNITS	SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512581.		molex			GENERAL TOLERANCES (UNLESS SPECIFIED)		MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER				MM	INCH	4 PLACES	±		±	3 PLACES	±		±	EC NO: 761863 DRWN: SUAIFR CHK'D: GGA APPR: GGA	2023/08/14 2023/09/11 2023/09/11	PRODUCT CUSTOMER DRAWING			2 PLACES	±	0.2	±	1 PLACE	±		±	INITIAL REVISION: DRWN: GMENARLY APPR: KHLIM		DOCUMENT NUMBER SD-87831-0001		DOC TYPE PSD	DOC PART 001	REVISION A24	0 PLACES	±		±	ANGULAR TOL		± 3.0 °		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				A3-SIZE		87831	SEE TABLE	GENERAL MARKET		11 OF 14	
DIMENSION UNITS	SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512581.		molex																																																																																							
GENERAL TOLERANCES (UNLESS SPECIFIED)							MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER																																																																																				
	MM																			INCH																																																																							
4 PLACES	±										±																																																																																
3 PLACES	±		±	EC NO: 761863 DRWN: SUAIFR CHK'D: GGA APPR: GGA	2023/08/14 2023/09/11 2023/09/11	PRODUCT CUSTOMER DRAWING																																																																																					
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ANGULAR TOL		± 3.0 °		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER																																																																																
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				A3-SIZE		87831	SEE TABLE	GENERAL MARKET		11 OF 14																																																																																	
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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

THIRD ANGLE PROJECTION

DRAWING

SERIES

A3-SIZE

87831

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

MILLIGRID
2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SD-87831-0001

DOC TYPE

PSD

DOC PART

001

REVISION

A24

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

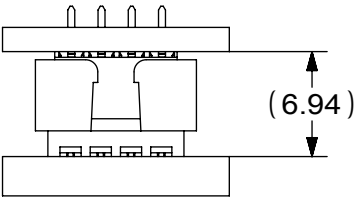
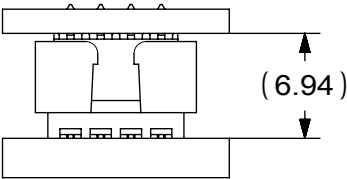
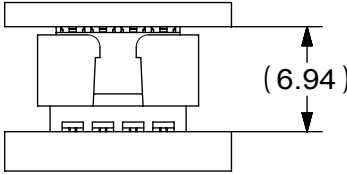
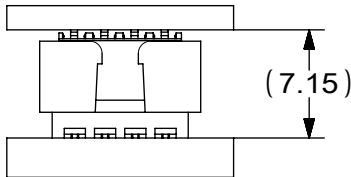
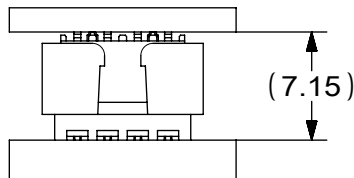
SHEET NUMBER

11 OF 14

10		9		8		7		6		5		4		3		2		1																																																																							
32 TO 40 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	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																																																																																						
E	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																																																																							
D	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																																																																																				
	C	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																																																																																				
B		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.																																																																																									
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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: Met-lega-master-ib-prod-A3 REVISION: E1 DATE: 2021/05/01		9		8		7		6		5		4		3		2		1																																																																							
<table><tr><td colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr><tr><td>DIMENSION UNITS</td><td>SCALE</td><td colspan="2" rowspan="3">CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512581.</td><td colspan="2" rowspan="3"> molex </td></tr><tr><td>mm</td><td>NTS</td></tr><tr><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td></tr><tr><td></td><td>MM</td><td>INCH</td><td rowspan="6">EC NO: 761863 DRWN: SUAIFR CHK'D: GGA APPR: GGA 2023/08/14 2023/09/11 2023/09/11</td><td colspan="2" rowspan="3">MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER</td></tr><tr><td>4 PLACES</td><td>±</td><td>±</td></tr><tr><td>3 PLACES</td><td>±</td><td>±</td></tr><tr><td>2 PLACES</td><td>±</td><td>0.2</td><td>±</td><td colspan="2" rowspan="2">PRODUCT CUSTOMER DRAWING</td></tr><tr><td>1 PLACE</td><td>±</td><td>±</td><td>±</td></tr><tr><td>0 PLACES</td><td>±</td><td>±</td><td>±</td><td colspan="2">INITIAL REVISION:</td></tr><tr><td colspan="2">ANGULAR TOL</td><td>±</td><td>3.0 °</td><td colspan="2">DRWN: GMENARLY APPR: KHLIM 2015/04/15 2015/06/29</td><td>DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>REVISION</td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">THIRD ANGLE PROJECTION</td><td>DRAWING</td><td>SERIES</td><td>MATERIAL NUMBER</td><td colspan="2">CUSTOMER</td><td>SHEET NUMBER</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td>A3-SIZE</td><td>87831</td><td>SEE TABLE</td><td colspan="2">GENERAL MARKET</td><td>12 OF 14</td></tr></table>																				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	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		4 PLACES	±	±	3 PLACES	±	±	2 PLACES	±	0.2	±	PRODUCT CUSTOMER DRAWING		1 PLACE	±	±	±	0 PLACES	±	±	±	INITIAL REVISION:		ANGULAR TOL		±	3.0 °	DRWN: GMENARLY APPR: KHLIM 2015/04/15 2015/06/29		DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER					A3-SIZE	87831	SEE TABLE	GENERAL MARKET		12 OF 14
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				A3-SIZE	87831	SEE TABLE	GENERAL MARKET		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							
PLATING OPTIONS:																				
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DOCUMENT STATUS		P1	RELEASE DATE		2023/09/11	04:36:51														
10		9		8		7		6		5		4		3		2		1		

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	

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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			

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: DRWN BY
APPR: APPR BY

XXXX/XX/XX
XXXX/XX/XX

THIRD ANGLE PROJECTION

DRAWING
A3-SIZE

SERIES
87831

DOCUMENT NUMBER
SD-87831-0001

CUSTOMER
GENERAL MARKET

DOC TYPE
PSD

DOC PART
001

REVISION
A24

SHEET NUMBER
14 OF 14