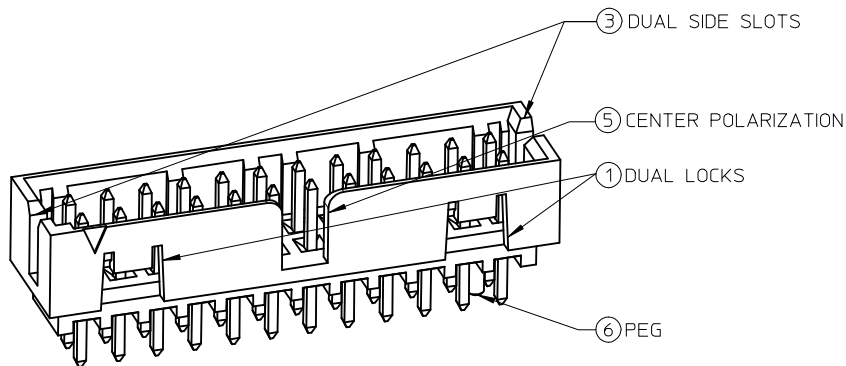
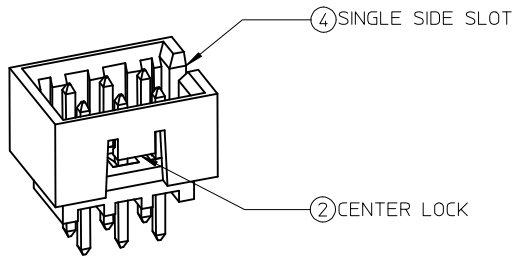


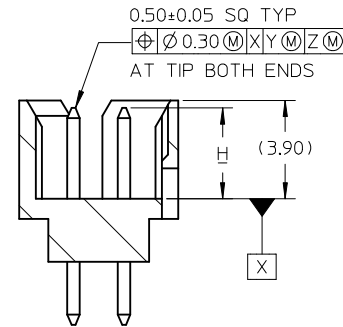
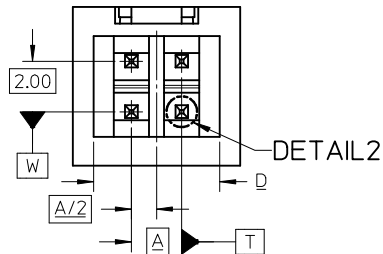
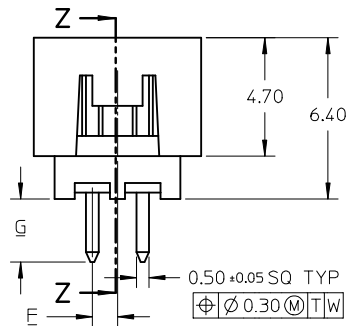
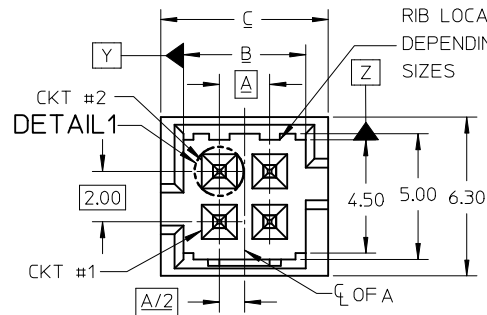
FEATURES SELECTION GUIDE



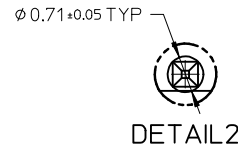
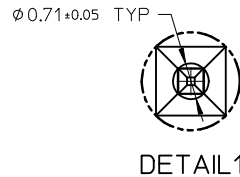
5		4		3		2		1	
CIRCUIT SIZE		FEATURES							
		FRICTION LOCKS		SIDE SLOTS		5 CENTER POLARIZATION	6 PEG	SHEET NO	
4	1 DUAL	2 CENTER	3 DUAL	4 SINGLE					
	N.A	N.A	YES	N.A	N.A	N.A	2 - 3		
	N.A	YES	YES	N.A	N.A	N.A			
N.A	YES	N.A	YES	N.A	N.A	N.A			
6	N.A	N.A	YES	N.A	N.A	N.A	4 - 5		
	N.A	N.A	YES	N.A	N.A	YES			
	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			

RELEASED EC NO: S2015-1188 DRAWN:GMENARLY CHKD:CGOH APPR:KHLIM REV A	DESCRIPTION 2015/04/15 2015/06/29 2015/06/29	QUALITY SYMBOLS F _A =0 F _C =0 F _P =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			4 PLACES 3 PLACES 2 PLACES 1 PLACE 0 PLACE ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	mm	INCH	DRAWN BY GMENARLY	DATE 2015/04/15	TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER				
				± ---	± ---	CHECKED BY	DATE					
				± 0.20	± ---	APPROVED BY KHLIM	DATE 2015/06/29	DOCUMENT NO. SD-87831-0001 SHEET NO. 1 OF 13				
				± ---	± ---	MATERIAL NO.	SEE TABLE					
				SIZE A3								

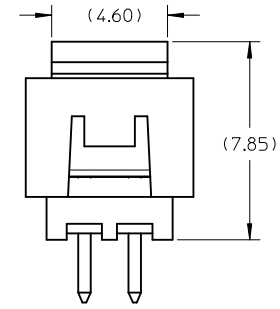
4 CIRCUITS



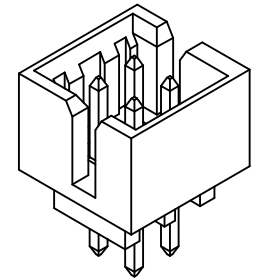
SECTION Z-Z



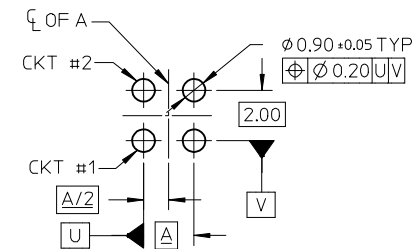
DETAIL2



VIEW FOR
HEADER WITH CAP



VIEW FOR HEADER
WITH ONLY DUAL SLOTS



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:

TUBE: PK-87831-001, TAPE AND REEL: PK-87831-300

5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND CRIMP TERMINAL: 50394 SERIES

B. MOLEX 2MM MILLIGRID DUAL ROW IDT: 87568 SERIES

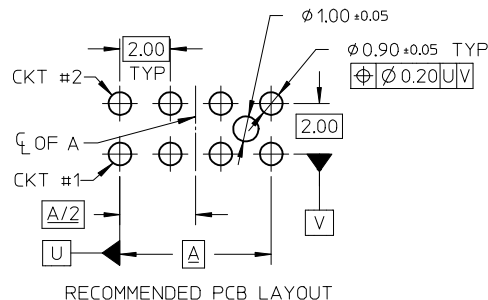
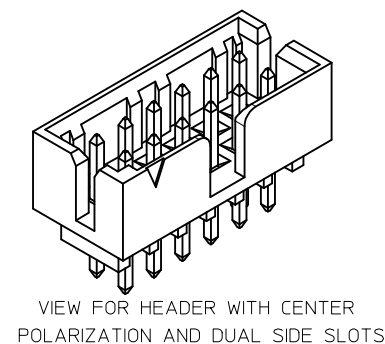
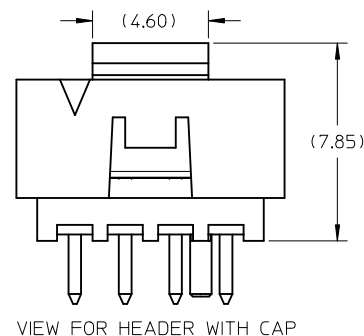
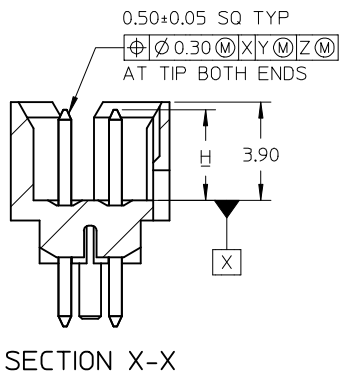
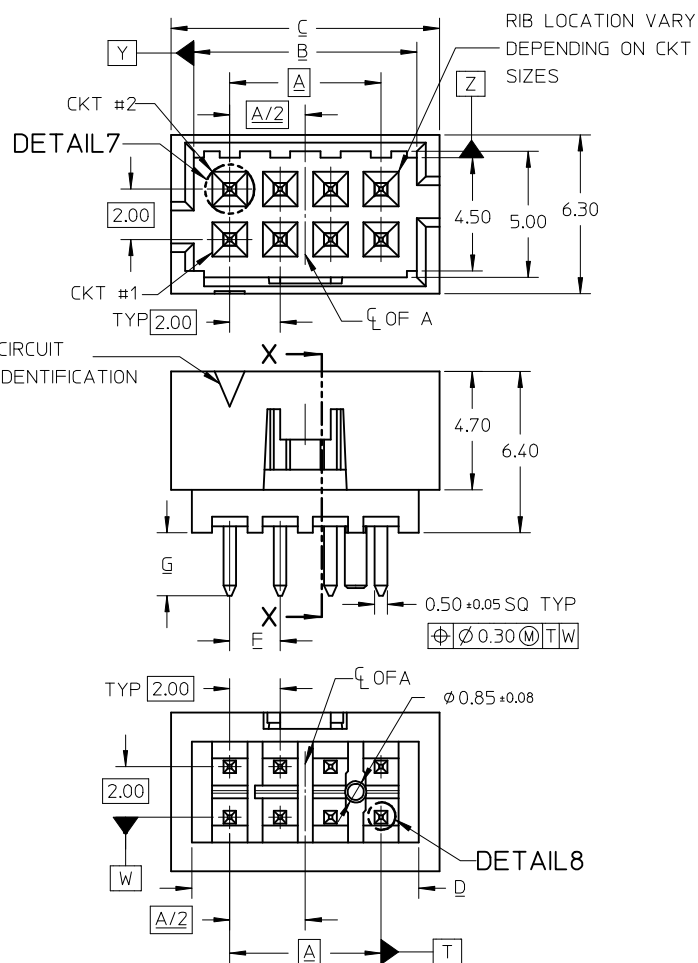
C. MOLEX 2MM MILLIGRID DUAL ROW RECEPTACLE:
79107 (GOLD PLATED), 78787 (TIN PLATED)

RELEASED EC NO: S2015-1188 DRWNG:GMENARLY CHKD:CGOH APPR:KHLIM 2015/04/15 2015/06/29 2015/06/29	DESCRIPTION	QUALITY SYMBOLS F_A=0 F_G=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
					MM ONLY		NTS	METRIC		
					DRAWN BY	DATE	TITLE			MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER
					GMENARLY	2015/04/15				
					CHECKED BY	DATE	molex			
					APPROVED BY	DATE		DOCUMENT NO.		SHEET NO.
					KHLIM	2015/06/29				
REV		ANGULAR ± 3 °		MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

	10	9	8	7	6	5	4	3	2	1																					
	4 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						F													
						DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F	G	H												
E	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	E											
		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	N.A	3																										
		87831-5141	N.A	N.A	2																										
		87831-5142	N.A	N.A	3	N.A	YES	YES	N.A	N.A	N.A							2.80													
		87831-6141	N.A	N.A	2																										
		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	3.60 ^{+0.15} _{-0.10}																				
87831-0444	N.A	N.A	3																												
D																				D											
C																				C											
B																				B											
A	PLATING OPTIONS: 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 2 - 0.38um/15uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 3 - 0.76um/30uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 4 - 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL. RELEASED EC NO: S2015-1188 DRWG:GMENARLY CHKD:CGOH APPR:KHLIM 2015/04/15 2015/06/29 2015/06/29 QUALITY SYMBOLS F_A=0 F_G=0 F_P=0 GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE MM ONLY DRAWN BY GMENARLY DATE 2015/04/15 CHECKED BY DATE APPROVED BY KHLIM DATE 2015/06/29 MATERIAL NO. SEE TABLE SCALE NTS DESIGN UNITS METRIC THIRD ANGLE PROJECTION TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex DOCUMENT NO. SD-87831-0001 SHEET NO. 3 OF 13 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION <tr><td></td><td>10</td><td>9</td><td>8</td><td>7</td><td>6</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td><td></td></tr>																				10	9	8	7	6	5	4	3	2	1	
	10	9	8	7	6	5	4	3	2	1																					

	10	9	8	7	6	5	4	3	2	1																			
	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							F										
						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			3.60±0.20	E									
		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																		
		87831-0629	N.A	N.A	3																								
		87831-0641	N.A	N.A	2																								
		87831-0642	N.A	87831-5552	3	N.A	YES	YES	N.A	N.A	N.A						N.A	2.00			2.50	3.60 ^{+0.15} _{-0.10}							
		87831-5241	N.A	N.A	2																3.50								
		87831-5242	N.A	N.A	3																2.80								
87831-6241	N.A	N.A	2	N.A	YES	YES	N.A	N.A	N.A	2.50	3.60±0.20																		
87831-6242	N.A	N.A	3																										
87831-0643	N.A	N.A	2	N.A	YES	N.A	YES	N.A	N.A			N.A	YES																
87831-0644	N.A	N.A	3																										
87831-0645	N.A	N.A	2	N.A	YES	N.A	YES	N.A	N.A			YES																	
87831-0646	N.A	N.A	3																										
87831-0632	N.A	N.A	2	N.A	YES	YES	N.A	N.A	YES																				
87831-5119	N.A	N.A	1	N.A	N.A	YES	N.A	YES	N.A																				
D																				D									
C																					C								
B																					B								
A	PLATING OPTIONS: 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 2 - 0.38um/15uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 3 - 0.76um/30uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 4 - 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL.											RELEASED EC NO: S2015-1188 2015/04/15 DRWN:GMENARLY 2015/06/29 CHKD:CGOH 2015/06/29 APPR:KHLIM		QUALITY SYMBOLS FA=0 FB=0 FC=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- ANGULAR ± 3 °		DIMENSION STYLE MM ONLY DRAWN BY DATE GMENARLY 2015/04/15 CHECKED BY DATE		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex		DOCUMENT NO. SD-87831-0001 SHEET NO. 5 OF 13		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		A
	10	9	8	7	6	5	4	3	2	1																			

8 TO 12 CIRCUITS



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:

TUBE: PK-87831-001, TAPE AND REEL: PK-87831-300

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:

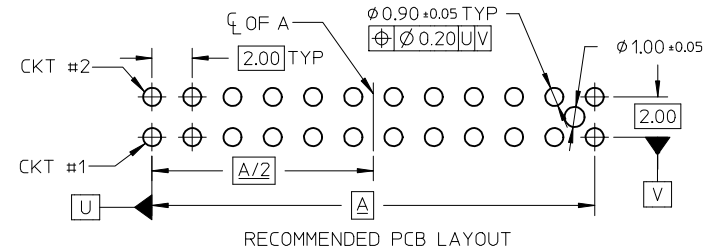
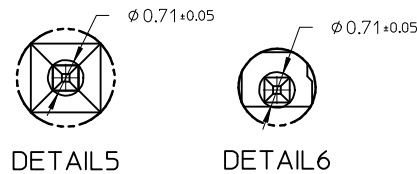
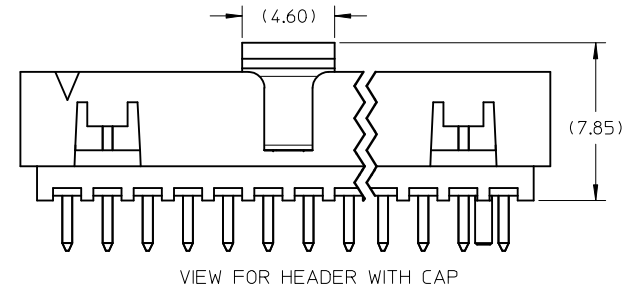
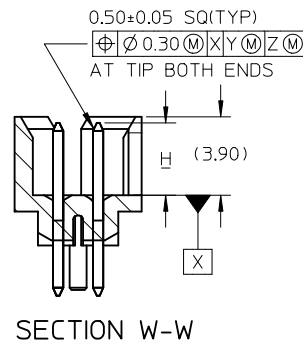
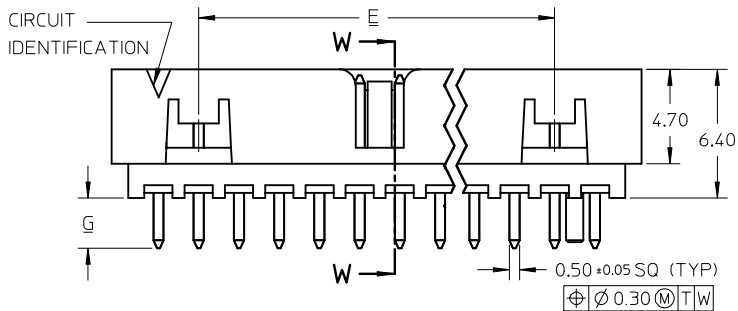
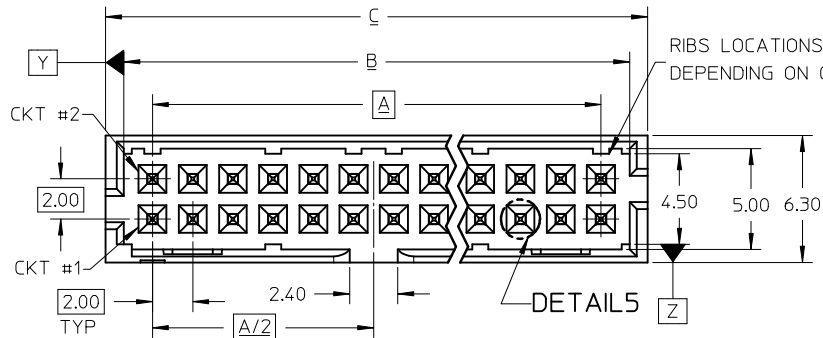
79107 (GOLD PLATED), 78787 (TIN PLATED)

RELEASED EC NO: S2015-1188 DRWN:GMENARLY CHKD:CGOH APPR:KHLIM 2015/04/15 2015/06/29 2015/06/29	DESCRIPTION	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION								
						mm	INCH	DRAWN BY DATE		TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER								
				4 PLACES		± ---	± ---	GMENARLY 2015/04/15										
				3 PLACES		± ---	± ---	CHECKED BY DATE		molex								
				2 PLACES		± 0.20	± ---	APPROVED BY DATE										
				1 PLACE		± ---	± ---	KHLIM 2015/06/29							DOCUMENT NO.		SHEET NO.	
				0 PLACE		± ---	± ---	MATERIAL NO.										
ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87831-0001		6 OF 13										
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		

10		9		8		7		6		5		4		3		2		1		
8 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								F
						DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F	G	H	
E	8	87831-0819	N.A	N.A	1	N.A	N.A	YES	N.A	YES	N.A	6.00	8.85	10.65	9.00	N.A	N.A	2.50	3.60±0.20	E
		87831-0820	N.A	N.A	2															
		87831-0821	N.A	N.A	3															
		87831-0836	N.A	N.A	4															
		87831-0828	N.A	N.A	2	N.A	N.A	YES	N.A	YES	YES						N.A	2.50		
		87831-0829	N.A	N.A	3															
		87831-0841	N.A	87831-5551	2	N.A	YES	YES	N.A	N.A	N.A						N.A	2.50		
		87831-0842	N.A	N.A	3															
		87831-5441	N.A	N.A	2	N.A	YES	YES	N.A	N.A	N.A						N.A	3.50		
		87831-5442	N.A	N.A	3															
D		N.A	87831-5541	N.A	2	N.A	YES	YES	N.A	N.A	N.A	3.00	2.80	4.70	2.50	3.60 ^{+0.15} _{-0.10}	D			
		N.A	87831-5542	N.A	3															
		87831-5741	N.A	N.A	2	N.A	YES	YES	N.A	N.A	N.A							N.A	2.50	
		87831-5742	N.A	N.A	3															
		87831-0832	N.A	N.A	2	N.A	YES	YES	N.A	N.A	YES							N.A	2.50	
		87831-0843	N.A	N.A	2															
		87831-0844	N.A	N.A	3	N.A	YES	N.A	YES	N.A	YES							N.A	2.50	
		87831-0845	N.A	N.A	2															
		87831-0846	N.A	N.A	3	N.A	YES	N.A	YES	N.A	YES							N.A	2.50	
		C																		
B																				
A																				
PLATING OPTIONS: 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 2 - 0.38um/15uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 3 - 0.76um/30uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 4 - 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL.																				
1b_frame_A3_P_AM_T Rev. G 2012/01/11																				

10		9		8		7		6		5		4		3		2		1		
10 TO 12 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							F	
						DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F	G		H
E	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	E
		87831-1020	N.A	N.A	2															
		87831-1021	N.A	N.A	3															
		87831-1036	N.A	N.A	4															
		87831-1010	N.A	N.A	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	N.A	N.A	YES	N.A	YES	YES						2.50			
		87831-1029	N.A	N.A	3															
		87831-1035	N.A	N.A	3	N.A	N.A	YES	N.A	YES	YES						3.50			
		87831-1041	N.A	N.A	2															
D	10	87831-1042	N.A	87831-5553	3	N.A	YES	YES	N.A	N.A	N.A	10.00	12.85	14.65	13.00	N.A	4.00	2.50	3.60 ^{+0.15} _{-0.10}	D
		87831-1032	N.A	N.A	2															
		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															
		87831-1045	N.A	N.A	2	N.A	YES	N.A	YES	N.A	N.A						2.50			
		87831-1046	N.A	N.A	3															
C	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	C
		87831-1220	N.A	N.A	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							2.50		
		87831-1229	N.A	N.A	3															
		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	YES	N.A	N.A	N.A						2.50			
		87831-1232	N.A	N.A	2													N.A		
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	N.A	2.50										
87831-1246	N.A	N.A	3																	
B																				
PLATING OPTIONS: 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 2 - 0.38um/15uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 3 - 0.76um/30uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 4 - 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL.																				
A	RELEASED EC NO: S2015-1188 DRWN:GMENARLY 2015/06/29 CHKD:CGOH APPR:KHL IM REV					QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex SD-87831-0001 SHEET NO. 8 OF 13					
							mm INCH		DRAWN BY DATE GMENARLY 2015/04/15 CHECKED BY DATE		APPROVED BY DATE KHL IM 2015/06/29		MATERIAL NO.							DOCUMENT NO.
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
tb_frame_A3_P_AM.T Rev. G 2012/01/11		9		8		7		6		5		4		3		2		1		

14 TO 50 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:
TUBE: PK-87831-001, TAPE AND REEL: PK-87831-300
- 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)

RELEASED EC NO: S2015-1188 DRWNG:GMENARLY CHKD:CGOH APPR:KHL IM	2015/04/15 2015/06/29 2015/06/29	DESCRIPTION	QUALITY SYMBOLS F_A=0 F_G=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				4 PLACES 3 PLACES 2 PLACES 1 PLACE 0 PLACE	mm	INCH	DRAWN BY GMENARLY	DATE 2015/04/15	TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex				
					± ---	± ---	CHECKED BY	DATE					
					± 0.20	± ---	APPROVED BY KHL IM	DATE 2015/06/29					
					ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87831-0001				9 OF 13
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

		10		9		8		7		6		5		4		3		2		1									
14 TO 20 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								F									
						DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F	G	H		E								
E	14	87831-1419	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	E									
		87831-1420	N.A	87831-5554	2																								
		87831-1421	N.A	N.A	3																								
		87831-1436	N.A	N.A	4																								
		87831-1428	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES										2.50	3.60±0.20							
		87831-1429	N.A	N.A	3																								
		87831-1435	N.A	N.A	3																								
		87831-1410	N.A	N.A	2																								
87831-1411	N.A	N.A	3	YES	N.A	YES	N.A	YES	N.A	3.50																			
D	16	87831-1619	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	D									
		87831-1620	N.A	N.A	2																								
		87831-1621	N.A	N.A	3																								
		87831-1636	N.A	N.A	4																								
		87831-1628	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES										2.50	3.60±0.20							
		87831-1629	N.A	N.A	3																								
		87831-1635	N.A	N.A	3																		YES	N.A	YES	N.A	YES	YES	3.50
		C	18	87831-1819	N.A																		N.A	1	YES	N.A	YES	N.A	YES
87831-1820	N.A			N.A	2																								
87831-1821	N.A			N.A	3																								
87831-1836	N.A			N.A	4																								
87831-1828	N.A			N.A	2	YES	N.A	YES	N.A	YES	YES	2.50	3.60±0.20																
87831-1829	N.A			N.A	3									YES	N.A	YES	N.A	YES	YES	3.50									
A	20	87831-2019	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	A									
		87831-2020	N.A	N.A	2																								
		87831-2021	N.A	N.A	3																								
		87831-2036	N.A	N.A	4																								
		87831-2028	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES										2.50	3.60±0.20							
		87831-2029	N.A	N.A	3																								
		87831-2035	N.A	N.A	3																		YES	N.A	YES	N.A	YES	YES	3.50
		87831-2010	N.A	N.A	2																								
87831-2011	N.A	N.A	3	YES	N.A	YES	N.A	YES	N.A	3.50																			
B																													
PLATING OPTIONS:																													
1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND																													
1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER																													
1.27um/50uin MIN. NICKEL OVERALL.																													
2 - 0.38um/15uin GOLD IN CONTACT AREA AND																													
1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER																													
1.27um/50uin MIN. NICKEL OVERALL.																													
3 - 0.76um/30uin GOLD IN CONTACT AREA AND																													
1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER																													
1.27um/50uin MIN. NICKEL OVERALL.																													
4 - 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL.																													
B																													
A																													
fb_frame_A3_P_AM.T Rev. G 2012/01/11																													
		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	PLATING OPTIONS	FRICTION LOCKS		SIDE SLOTS		CENTER POLARIZATION	PEG	DIMENSION						F																																																																																																																																																																																																																																																																																																																																																																																																																														
						DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F		G	H																																																																																																																																																																																																																																																																																																																																																																																																																												
	22	87831-2219	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	2																																																																																																																																																																																																																																																																																																																																																																																																																																											
		87831-2221	N.A	N.A	3																																																																																																																																																																																																																																																																																																																																																																																																																																											
		87831-2236	N.A	N.A	4	2.50																																																																																																																																																																																																																																																																																																																																																																																																																																										
		87831-2228	N.A	N.A	2																																																																																																																																																																																																																																																																																																																																																																																																																																											
87831-2229	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES																																																																																																																																																																																																																																																																																																																																																																																																																																							
E	24	87831-2419	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	2																																																																																																																																																																																																																																																																																																																																																																																																																																											
		87831-2421	N.A	N.A	3																																																																																																																																																																																																																																																																																																																																																																																																																																											
		87831-2436	N.A	N.A	4	YES	N.A	YES	N.A	YES	YES							YES		YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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								F						
						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								
	34	87831-3229	N.A	N.A	3	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							
		87831-3419	N.A	N.A	1																					
		87831-3420	N.A	N.A	2																					
		87831-3421	N.A	N.A	3																					
		87831-3436	N.A	N.A	4	YES	N.A	YES	N.A	YES	YES							2.50								
87831-3428	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES	3.50																
87831-3429	N.A	N.A	3	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									
87831-3435	N.A	N.A	3																							
87831-3619	N.A	N.A	1																							
87831-3620	N.A	N.A	2																							
	36	87831-3621	N.A	N.A	3	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
		87831-3636	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					YES	N.A	YES	N.A	YES	N.A		38.00									
		87831-3819	N.A	N.A	1																					
87831-3820	N.A	N.A	2																							
87831-3821	N.A	N.A	3																							
	38	87831-3836	N.A	N.A	4	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						
		87831-3828	N.A	N.A	2												YES				N.A	YES	N.A	YES	YES	2.50
		87831-3829	N.A	N.A	3												YES				N.A	YES	N.A	YES	N.A	3.50
		87831-4019	N.A	N.A	1																					
		87831-4020	N.A	N.A	2																					
	40	87831-4021	N.A	N.A	3	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							
		87831-4036	N.A	N.A	4															YES	N.A	YES	N.A	YES	YES	2.50
		87831-4028	N.A	N.A	2															YES	N.A	YES	N.A	YES	N.A	3.50
		87831-4029	N.A	N.A	3															YES	N.A	YES	N.A	YES	N.A	
		87831-4010	N.A	N.A	2	YES	N.A	YES	N.A	YES	N.A															
B																										
PLATING OPTIONS: 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 2 - 0.38um/15uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 3 - 0.76um/30uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 4 - 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL.																										
RELEASED EC NO: S2015-1188 DRWN:GMENARLY 2015/04/15 CHKD:CGOH 2015/06/29 APPR:KHL IM 2015/06/29 A		DESCRIPTION REV		QUALITY SYMBOLS F=0 F=0 F=0		GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DIMENSION STYLE MM ONLY DRAWN BY DATE GMENARLY 2015/04/15 CHECKED BY DATE APPROVED BY DATE KHL IM 2015/06/29 MATERIAL NO. SEE TABLE				SCALE NTS		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION		MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex SD-87831-0001 SHEET NO. 12 OF 13						
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																										
tb_frame_A3_P_AM.T Rev. G 2012/01/11		9		8		7		6		5		4		3		2		1								

		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	PLATING OPTIONS	FRICTION LOCKS		SIDE SLOTS		CENTER POLARIZATION	PEG	DIMENSION						F		
						DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F		G	H
	42	87831-4219	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	2															
		87831-4221	N.A	N.A	3															
		87831-4236	N.A	N.A	4	YES	N.A	YES	N.A	YES	YES							2.50		
		87831-4228	N.A	N.A	2															
	44	87831-4229	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES	42.00	44.85	46.65	45.00	38.00	N.A	2.50	3.60±0.20	
		87831-4419	N.A	N.A	1															
		87831-4420	N.A	N.A	2															
		87831-4421	N.A	N.A	3															
		87831-4436	N.A	N.A	4															
	46	87831-4428	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES	44.00	46.85	48.65	47.00	40.00	N.A	2.50	3.60±0.20	
		87831-4429	N.A	N.A	3															
		87831-4435	N.A	N.A	3															
		87831-4619	N.A	N.A	1															
		87831-4620	N.A	N.A	2															
	48	87831-4621	N.A	N.A	3	YES	N.A	YES	N.A	YES	N.A	46.00	48.85	50.65	49.00	42.00	N.A	2.50	3.60±0.20	
		87831-4636	N.A	N.A	4															
		87831-4628	N.A	N.A	2															
		87831-4629	N.A	N.A	3															
		87831-4819	N.A	N.A	1															
	50	87831-4820	N.A	N.A	2	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	
		87831-5021	N.A	N.A	3															
		87831-5036	N.A	N.A	4															
		87831-5028	N.A	N.A	2															
		87831-5029	N.A	N.A	3															
	50	87831-5035	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES	48.00	50.85	52.65	51.00	44.00	N.A	2.50	3.60±0.20	
		87831-5028	N.A	N.A	2															
		87831-5029	N.A	N.A	3															
		87831-5035	N.A	N.A	3															
		87831-5035	N.A	N.A	3															
PLATING OPTIONS: 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 2 - 0.38um/15uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 3 - 0.76um/30uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 4 - 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL.																				
RELEASED EC NO: S2015-1188 2015/04/15 DRAWN:GMENARLY 2015/06/29 CHKD:CGOH 2015/06/29 APPR:KHLIM 2015/06/29																				
QUALITY SYMBOLS FA=0 FB=0 FC=0																				
GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±0.20 ±--- 1 PLACE ±--- ±--- 0 PLACE ±--- ±--- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																				
DIMENSION STYLE MM ONLY DRAWN BY DATE GMENARLY 2015/04/15 CHECKED BY DATE APPROVED BY DATE KHLIM 2015/06/29 MATERIAL NO. SEE TABLE SIZE A3																				
SCALE NTS DESIGN UNITS METRIC THIRD ANGLE PROJECTION MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex DOCUMENT NO. SD-87831-0001 SHEET NO. 13 OF 13 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				
		10	9	8	7	6	5	4	3	2	1									



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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