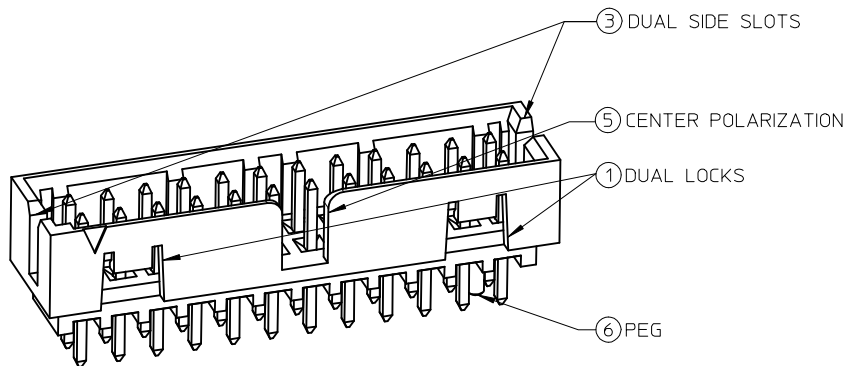
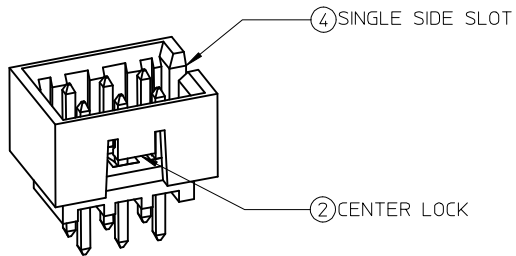


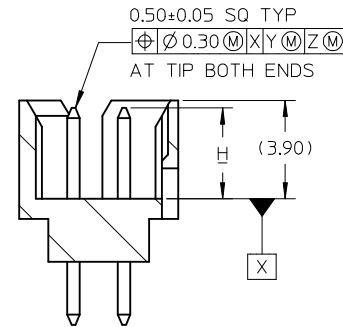
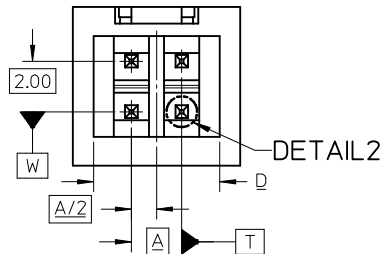
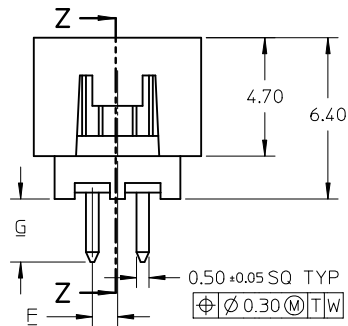
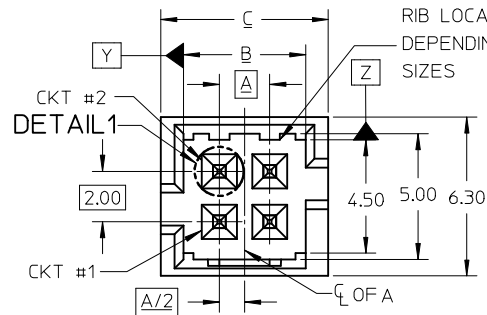
FEATURES SELECTION GUIDE



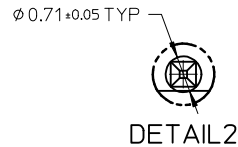
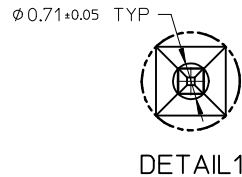
5		4		3		2		1	
CIRCUIT SIZE		FEATURES							
		FRICTION LOCKS		SIDE SLOTS		⑤ CENTER POLARIZATION	⑥ PEG	SHEET NO	
		① DUAL	② CENTER	③ DUAL	④ SINGLE				
4	N.A	N.A	YES	N.A	N.A	N.A	2 - 3		
	N.A	YES	YES	N.A	N.A	N.A			
	N.A	YES	N.A	YES	N.A	N.A			
6	N.A	N.A	YES	N.A	N.A	N.A	4 - 5		
	N.A	N.A	YES	N.A	N.A	YES	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

RELEASED EC NO: S2015-1188 DRWNG:GMENARLY CHK'D:CGOH APPR:KHLIM 2015/04/15 2015/06/29 2015/06/29	DESCRIPTION	QUALITY SYMBOLS F_A=0 F_C=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
						MM ONLY		NTS	METRIC		
						DRAWN BY DATE		TITLE			
						GMENARLY 2015/04/15					
						CHECKED BY DATE					
						APPROVED BY DATE		MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER			
						KHLIM 2015/06/29					
						MATERIAL NO.		DOCUMENT NO.			SHEET NO.
						SEE TABLE		SD-87831-0001			1 OF 13
			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

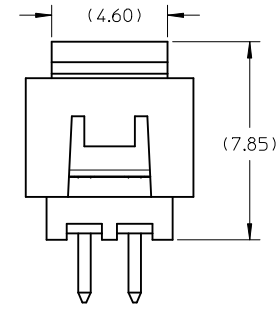
4 CIRCUITS



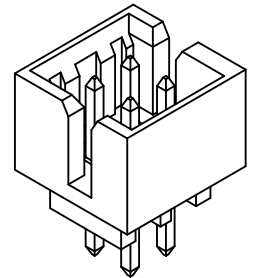
SECTION Z-Z



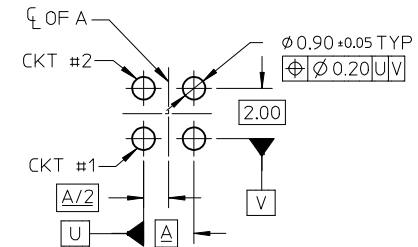
DETAIL2



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

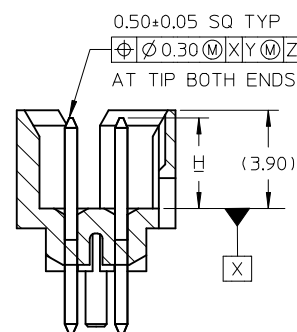
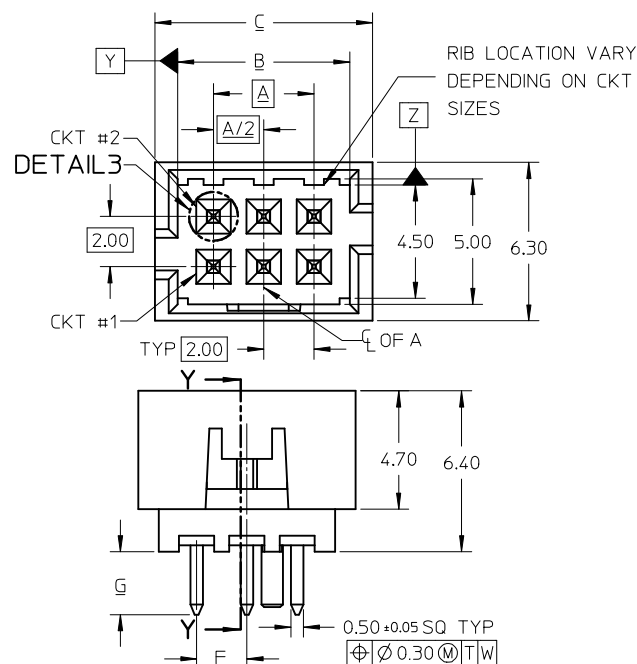
B. MOLEX 2MM MILLIGRID DUAL ROW IDT: 87568 SERIES

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

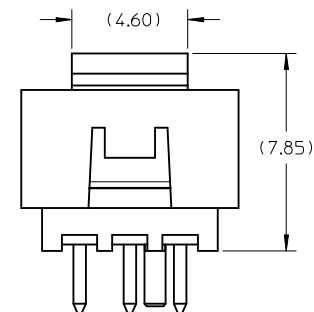
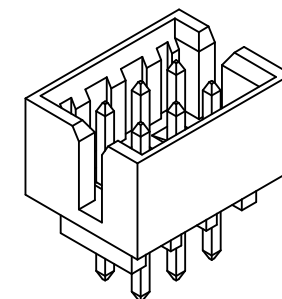
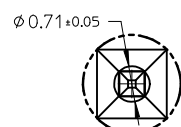
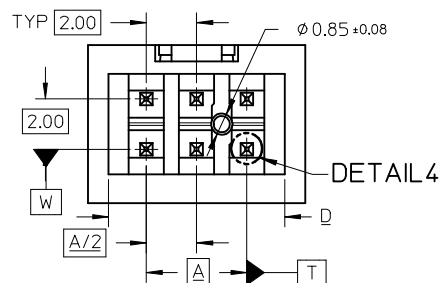
RELEASED EC NO: S2015-1188 DRWN:GMENARLY CHKD:CGOH APPR:KHLIM 2015/04/15 2015/06/29 2015/06/29	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION				
						MM ONLY		NTS	METRIC					
						DRAWN BY DATE		TITLE						
						GMENARLY 2015/04/15								
						CHECKED BY DATE		MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER						
			APPROVED BY DATE		molex									
			KHLIM 2015/06/29											
			MATERIAL NO.							DOCUMENT NO.				SHEET NO.
			SEE TABLE							SD-87831-0001				2 OF 13
A	REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			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	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	N.A	3														
		87831-5141	N.A	N.A	2														
		87831-5142	N.A	N.A	3														
		87831-6141	N.A	N.A	2	N.A	YES	YES	N.A	N.A						N.A	2.80		
87831-6142	N.A	N.A	3																
87831-0443	N.A	N.A	2																
87831-0444	N.A	N.A	3	N.A	YES						N.A	YES	N.A	N.A	2.50			3.60 ^{+0.15} _{-0.10}	
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. MATTETIN 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 CHKD:GKH APPR:KHL IM A	REV DESCRIPTION 2015/04/15 2015/06/29 2015/06/29	QUALITY SYMBOLS =0 =0 =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 TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex SD-87831-0001	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	SHEET NO. 3 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									

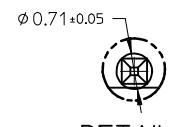
6 CIRCUITS



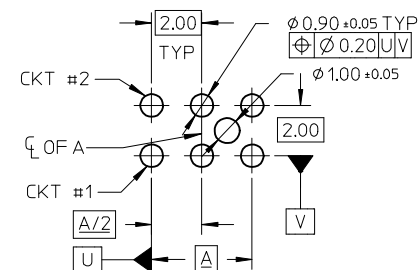
SECTION Y-Y

VIEW FOR
HEADER WITH CAPVIEW FOR HEADER WITH
ONLY DUAL SLOTS

DETAIL3



DETAIL 4



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

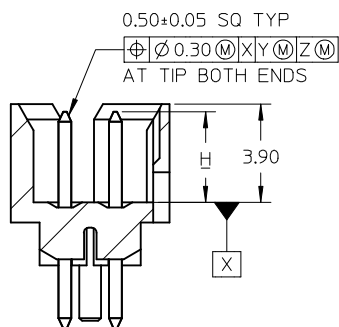
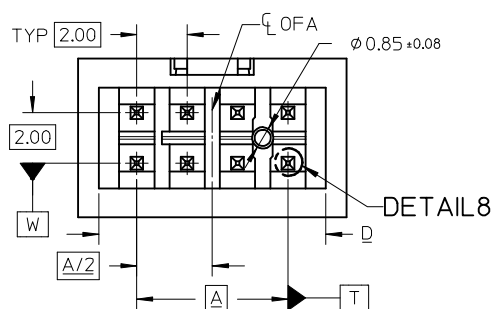
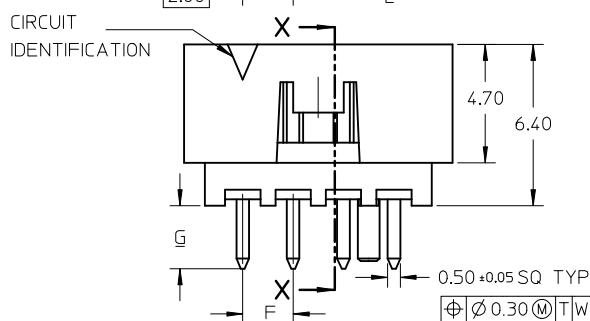
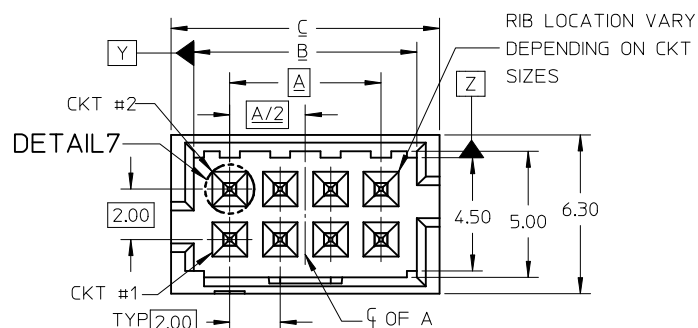
C. MOLEX 2MM MILLIGRID DUAL ROW RECEPTACLE

79107 (GOLD PLATED), 78787 (TIN PLATED)

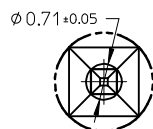
RELEASED EC NO: S2015-1188 2015/04/15 DRAWING: GEMNARLY 2015/06/29 CHK'D: CGOH 2015/06/29 APPR: KHL IM	DESCRIPTION	QUALITY SYMBOLS F_A=0 F_C=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 				
				mm	INCH	DRAWN BY GEMNARLY	DATE 2015/04/15	TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER					
			4 PLACES ± ---	± ---	CHECKED BY	DATE							
			3 PLACES ± ---	± ---	APPROVED BY		DATE	molex DOCUMENT NO. SD-87831-0001 SHEET NO. 4 OF 13					
			2 PLACES ± 0.20	± ---	KHL IM		2015/06/29						
			1 PLACE ± ---	± ---	MATERIAL NO.		SEE TABLE						
			0 PLACE ± ---	± ---	ANGULAR ± 3 °		DRAFT WHERE APPLICABLE						
			REV		MUST REMAIN WITHIN DIMENSIONS		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																	
	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	N.A	2.50	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						N.A	2.50									
		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	2.50									
		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																						
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								N.A	YES	N.A	YES	N.A	N.A	YES										
87831-0643	N.A	N.A	2															N.A	YES	N.A	YES	N.A	N.A	YES			
87831-0644	N.A	N.A	3	N.A	YES	N.A	YES	N.A	N.A	YES																	
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															N.A	YES	YES	N.A	N.A	N.A	YES			
87831-0632	N.A	N.A	2	N.A	YES	YES	N.A	N.A	N.A	YES																	
87831-5119	N.A	N.A	1								N.A	N.A	YES	N.A	YES	N.A	YES										
																		N.A	N.A	YES	N.A	YES	N.A	YES			
				N.A	N.A	YES	N.A	YES	N.A	YES																	
											N.A	N.A	YES	N.A	YES	N.A	YES										
																		N.A	N.A	YES	N.A	YES	N.A	YES			
				N.A	N.A	YES	N.A	YES	N.A	YES																	
											N.A	N.A	YES	N.A	YES	N.A	YES										
																		N.A	N.A	YES	N.A	YES	N.A	YES			
				N.A	N.A	YES	N.A	YES	N.A	YES																	
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																		N.A	N.A	YES	N.A	YES	N.A	YES			
				N.A	N.A	YES	N.A	YES	N.A	YES																	
											N.A	N.A	YES	N.A	YES	N.A	YES										
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											N.A	N.A	YES	N.A	YES	N.A	YES										
																		N.A	N.A	YES	N.A	YES	N.A	YES			
				N.A	N.A	YES	N.A	YES	N.A	YES																	
											N.A	N.A	YES	N.A	YES	N.A	YES										
																		N.A	N.A	YES	N.A	YES	N.A	YES			
				N.A	N.A	YES	N.A	YES	N.A	YES																	
											N.A	N.A	YES	N.A	YES	N.A	YES										
																		N.A	N.A	YES	N.A	YES	N.A	YES			
				N.A	N.A	YES	N.A	YES	N.A	YES																	
											N.A	N.A	YES	N.A	YES	N.A	YES										
																		N.A	N.A	YES	N.A	YES	N.A	YES			
				N.A	N.A	YES	N.A	YES	N.A	YES																	
											N.A	N.A	YES	N.A	YES	N.A	YES										
																		N.A	N.A	YES	N.A	YES	N.A	YES			
				N.A	N.A	YES	N.A	YES	N.A	YES																	
											N.A	N.A	YES	N.A	YES	N.A	YES										
																		N.A	N.A	YES	N.A	YES	N.A	YES			
				N.A	N.A	YES	N.A	YES	N.A	YES																	
											N.A	N.A	YES	N.A	YES	N.A	YES										
																		N.A	N.A	YES	N.A	YES	N.A	YES			
				N.A	N.A	YES	N.A	YES	N.A	YES																	
											N.A	N.A	YES	N.A	YES	N.A	YES										
																		N.A	N.A	YES	N.A	YES	N.A	YES			
				N.A	N.A	YES	N.A	YES	N.A	YES																	
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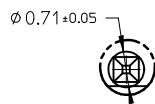
8 TO 12 CIRCUITS



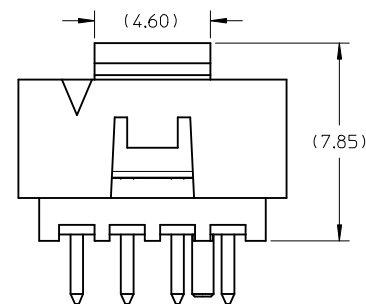
SECTION X-X



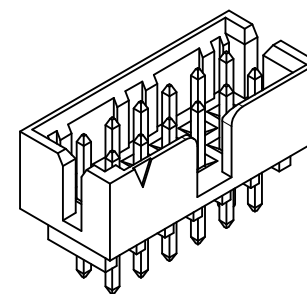
DETAIL7



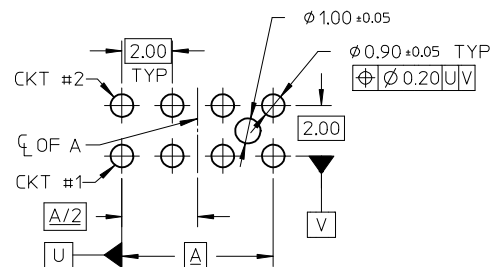
DETAIL8



VIEW FOR HEADER WITH CAP



VIEW FOR HEADER WITH CENTER POLARIZATION AND DUAL SIDE 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:

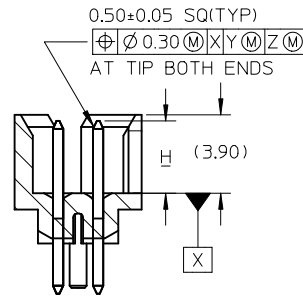
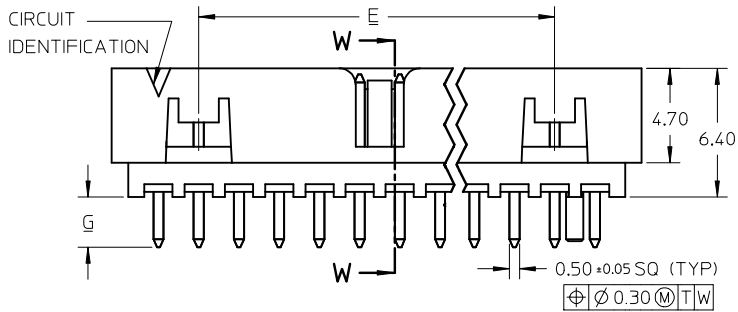
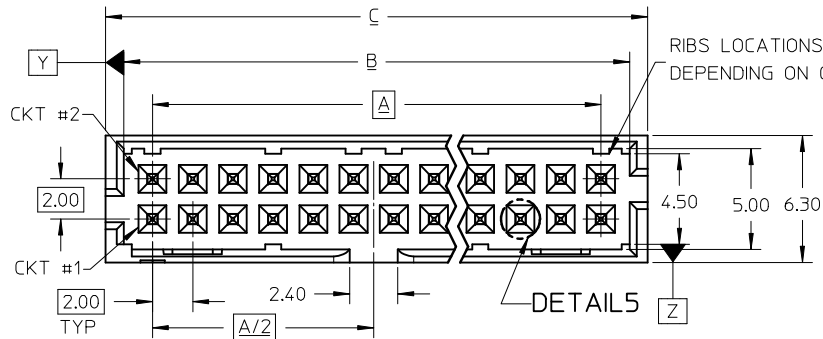
79107 (GOLD PLATED), 78787 (TIN PLATED)

RELEASED EC NO: S2015-1188 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 GMENARLY	DATE 2015/04/15	TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex				
						CHECKED BY	DATE					
						APPROVED BY KHLIM	DATE 2015/06/29	DOCUMENT NO. SD-87831-0001				
						MATERIAL NO.						
			ANGULAR ± 3 °		SEE TABLE							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
A	REV											

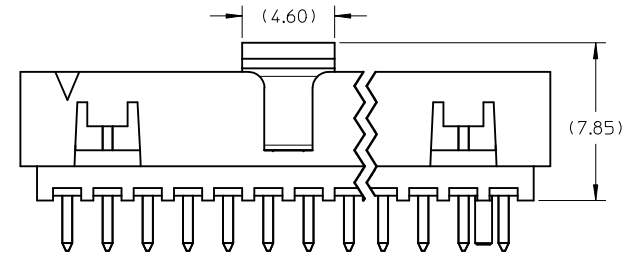
	10	9	8	7	6	5	4	3	2	1																			
	8 CIRCUITS																												
F	CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	PLATING OPTIONS	FRICTION LOCKS		SIDE SLOTS		CENTER POLARIZATION	PEG	DIMENSION						F											
						DUAL	CENTER	DUAL	SINGLE			A	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	N.A			N.A	N.A	3.00	2.50	3.60±0.15 -0.10	D			
		87831-0829	N.A	N.A	3																								
		87831-0841	N.A	87831-5551	2																								
		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	N.A			N.A	N.A	N.A	N.A	2.50	3.60±0.15 -0.10	D		
		87831-5442	N.A	N.A	3																								
N.A	87831-5541	N.A	2																										
N.A	87831-5542	N.A	3																										
D		87831-5741	N.A	N.A	2	N.A	YES	YES	N.A	N.A	N.A	6.00	8.85	10.65	9.00	N.A	3.00	2.50	3.60±0.15 -0.10	D									
		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	N.A	N.A	N.A	N.A	N.A	2.50	3.60±0.15 -0.10	D
		87831-0843	N.A	N.A	2																								
		87831-0844	N.A	N.A	3																								
		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	YES																		
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 DRWNG:GMENARLY 2015/04/15 CHK'D:GGH 2015/06/29 APPR:KHL IM 2015/06/29 A	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		MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex					SHEET NO. 7 OF 13								
			DRAWN BY GMENARLY		DATE 2015/04/15			TITLE																					
			CHECKED BY		DATE																								
			APPROVED BY KHL IM		DATE 2015/06/29																								
			MATERIAL NO.		DOCUMENT NO.																								
			SEE TABLE		SD-87831-0001																								
			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																			

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																N.A
		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
		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			YES
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 F=0 F=0 F=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	
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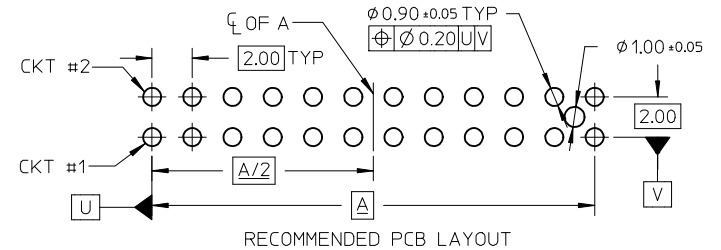
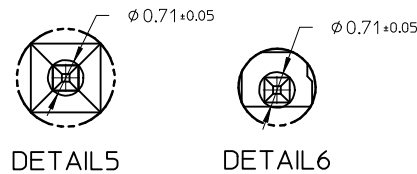
14 TO 50 CIRCUITS



SECTION W-W



VIEW FOR HEADER WITH CAP



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:KHL IM A	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) mmINCH 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		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION					
				DRAWN BY GMENARLY		DATE 2015/04/15		TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER					
				CHECKED BY		DATE							
				APPROVED BY KHL IM		DATE 2015/06/29		molex					
				MATERIAL NO.		DOCUMENT NO.						SHEET NO.	
				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	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	YES	N.A	YES	N.A	YES	YES							2.50																			
		87831-1428	N.A	N.A	2													3.50																			
		87831-1429	N.A	N.A	3													3.50																			
		87831-1435	N.A	N.A	3	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									
87831-1410	N.A	N.A	2	2.50																																	
87831-1411	N.A	N.A	3	3.50																																	
D	16	87831-1619	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	C																	
		87831-1620	N.A	N.A	2																																
		87831-1621	N.A	N.A	3																																
		87831-1636	N.A	N.A	4	YES	N.A	YES	N.A	YES	YES							2.50																			
		87831-1628	N.A	N.A	2													2.50																			
		87831-1629	N.A	N.A	3													3.50																			
		87831-1635	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES							18.00			20.85	22.65	21.00	14.00	N.A	2.50	3.60±0.20	A									
87831-1819	N.A	N.A	1																																		
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																																		
87831-1829	N.A	N.A	3	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	B																			
87831-2019	N.A	N.A	1																																		
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																																		
87831-2029	N.A	N.A	3																																		
87831-2035	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES	18.00	20.85	22.65	21.00	14.00	N.A	2.50	3.60±0.20	C																			
87831-2010	N.A	N.A	2																																		
87831-2011	N.A	N.A	3	YES	N.A	YES	N.A	YES	N.A																												
B																				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		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 TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex		DESIGN UNITS METRIC THIRD ANGLE PROJECTION		SHEET NO. 10 OF 13		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
fb_frame_A3_P_AM.T Rev. G 2012/01/11		9	8	7	6	5	4	3	2	1																											

tb_frame_A3_P_AM_T
Rev. G 2012/01/11

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	YES	N.A	YES	N.A	YES	YES							2.50					
		87831-3228	N.A	N.A	2																		
		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	YES	N.A	YES	N.A	YES	YES							2.50					
		87831-3428	N.A	N.A	2																		
		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	N.A	2																		
		87831-3621	N.A	N.A	3																		
		87831-3636	N.A	N.A	4	YES	N.A	YES	N.A	YES	YES							2.50					
		87831-3628	N.A	N.A	2																		
		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	YES	N.A	YES	N.A	YES	YES							2.50					
		87831-3828	N.A	N.A	2																		
		87831-3829	N.A	N.A	3																		
A	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	YES	N.A	YES	N.A	YES	YES							2.50					
		87831-4028	N.A	N.A	2																		
		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		
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:GOH 2015/06/29 APPR:KHLIM 2015/06/29 A					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		SCALE NTS		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION							
										APPROVED BY DATE KHLIM 2015/06/29		MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex								SHEET NO. 12 OF 13			
										MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87831-0001											
										SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
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																																					
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																																																			
	87831-4228	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50																																						
	87831-4229	N.A	N.A	3																																																			
E	87831-4419	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	2																																																			
	87831-4421	N.A	N.A	3																																																			
	87831-4436	N.A	N.A	4																																																			
	87831-4428	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50																																						
	87831-4429	N.A	N.A	3																																																			
	87831-4435	N.A	N.A	3																																																			
D	87831-4619	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	2																																																			
	87831-4621	N.A	N.A	3																																																			
	87831-4636	N.A	N.A	4																																																			
	87831-4628	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50																																						
	87831-4629	N.A	N.A	3																																																			
	87831-4819	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	3.60±0.20																							
87831-4820	N.A	N.A	2																																																				
87831-4821	N.A	N.A	3																																																				
87831-4836	N.A	N.A	4																																																				
87831-4828	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES	2.50																																													
87831-4829	N.A	N.A	3																																																				
C	87831-5019	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	2																																																			
	87831-5021	N.A	N.A	3																																																			
	87831-5036	N.A	N.A	4																																																			
	87831-5028	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50																																						
	87831-5029	N.A	N.A	3																																																			
	87831-5035	N.A	N.A	3																																																			
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/10uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL.																		A																																				
	<table><tr><td rowspan="5">RELEASED EC NO: S2015-1188 DRWN:GMEARLY 2015/04/15 CHKD:GGOH 2015/06/29 APPR:KHL IM 2015/06/29</td><td rowspan="5">QUALITY SYMBOLS F_A=0 F_E=0 F_F=0</td><td rowspan="5">DESCRIPTION</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM ONLY</td><td>SCALE NTS</td><td>DESIGN UNITS METRIC</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td rowspan="4">DRAWN BY GMEARLY</td><td rowspan="4">DATE 2015/04/15</td><td rowspan="4">CHECKED BY</td><td rowspan="4">DATE</td><td rowspan="4">TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex</td><td rowspan="4">SHEET NO. 13 OF 13</td></tr><tr><td colspan="2">APPROVED BY KHL IM</td><td>DATE 2015/06/29</td></tr><tr><td colspan="2">MATERIAL NO.</td><td>DOCUMENT NO. SD-87831-0001</td></tr><tr><td colspan="2">SEE TABLE</td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td>SIZE A3</td><td colspan="10">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>																			RELEASED EC NO: S2015-1188 DRWN:GMEARLY 2015/04/15 CHKD:GGOH 2015/06/29 APPR:KHL IM 2015/06/29	QUALITY SYMBOLS F _A =0 F _E =0 F _F =0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		DRAWN BY GMEARLY	DATE 2015/04/15	CHECKED BY	DATE	TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex	SHEET NO. 13 OF 13	APPROVED BY KHL IM		DATE 2015/06/29	MATERIAL NO.		DOCUMENT NO. SD-87831-0001	SEE TABLE		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							
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fb_frame_A3_P_AM.T Rev. G 2012/01/11		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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