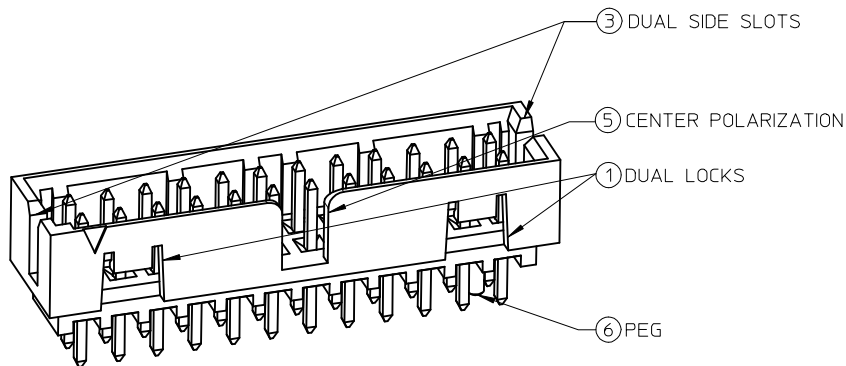
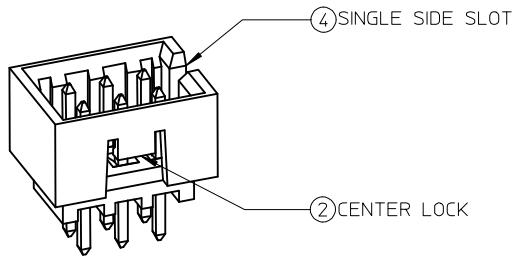


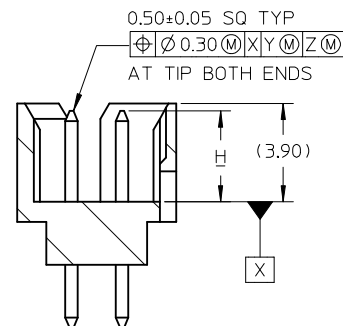
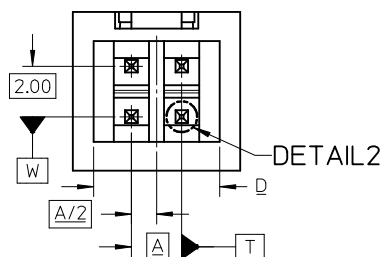
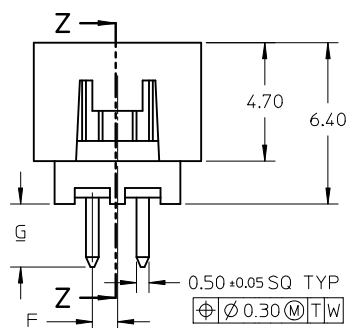
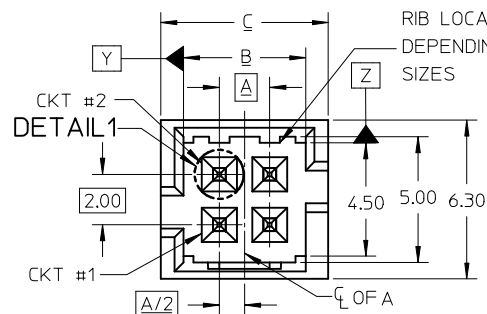
FEATURES SELECTION GUIDE



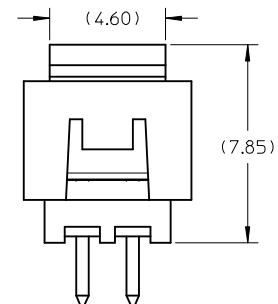
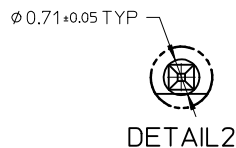
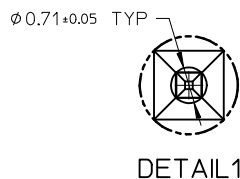
5		4		3		2		1	
CIRCUIT SIZE		FEATURES							
		FRICTION LOCKS		SIDE SLOTS		5 CENTER POLARIZATION	6 PEG	SHEET NO	
4	1 DUAL	2 CENTER	3 DUAL	4 SINGLE					
	N.A	N.A	YES	N.A	N.A	N.A	2 - 3		
	N.A	YES	YES	N.A	N.A	N.A			
6	N.A	YES	N.A	YES	N.A	N.A		4 - 5	
	N.A	YES	YES	N.A	N.A	N.A			
	N.A	YES	YES	N.A	N.A	N.A			
	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 CHK'D: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			
				F_A=0 F_C=0 F_P=0			DRAWN BY GMENARLY		DATE 2015/04/15	TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER				
							CHECKED BY		DATE					
							APPROVED BY KHLIM		DATE 2015/06/29					
							MATERIAL NO.		DOCUMENT NO.					SHEET NO.
							SEE TABLE		SD-87831-0001					1 OF 13
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

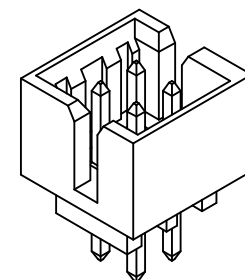
4 CIRCUITS



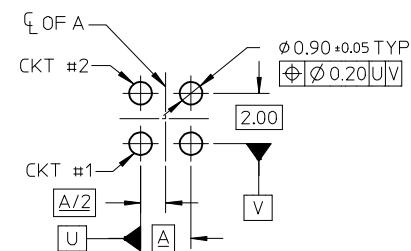
SECTION Z-Z



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

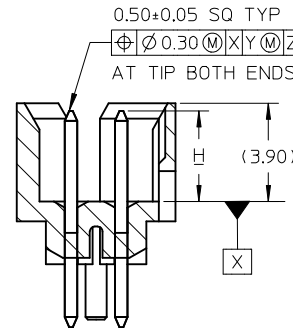
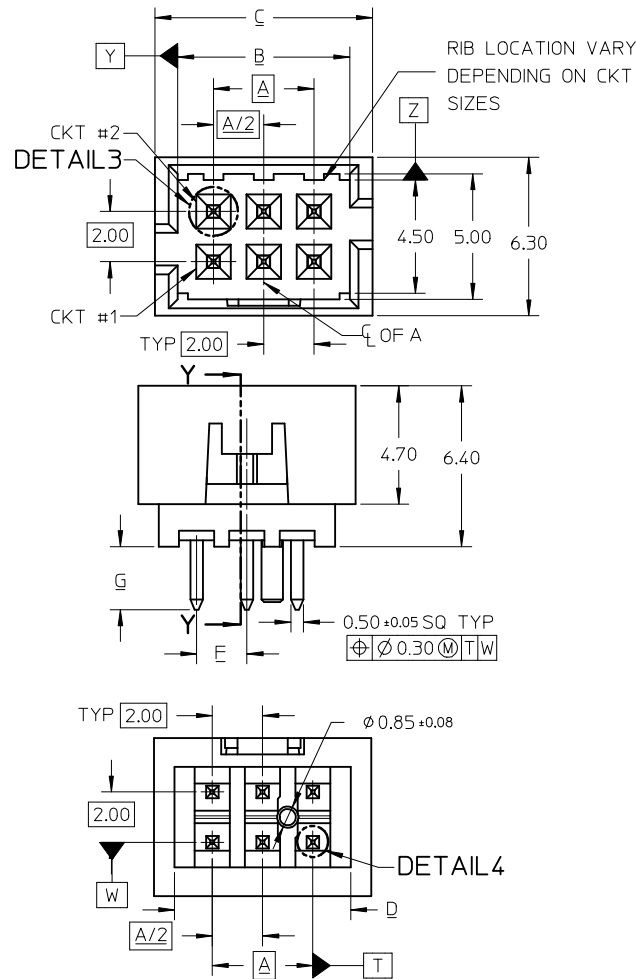
B. MOLEX 2MM MILLIGRID DUAL ROW IDT: 87568 SERIES

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

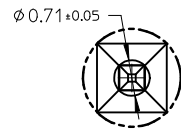
RELEASED EC NO: S2015-1188 DRAWN:GMENARLY CHKD:CGOH APPR:KHLIM 2015/04/15 2015/06/29 2015/06/29	DESCRIPTION	QUALITY SYMBOLS F_A=0 F_G=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY GMENARLY	DATE 2015/04/15	TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER					
			4 PLACES	± ---	± ---	CHECKED BY	DATE						
			3 PLACES	± ---	± ---	APPROVED BY		DATE	molex				
			2 PLACES	± 0.20	± ---	KHLIM		2015/06/29					
			1 PLACE	± ---	± ---	MATERIAL NO.		DOCUMENT NO.					
			ANGULAR ± 3 °		SEE TABLE		SD-87831-0001		2 OF 13				
			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								

[illegible]

6 CIRCUITS



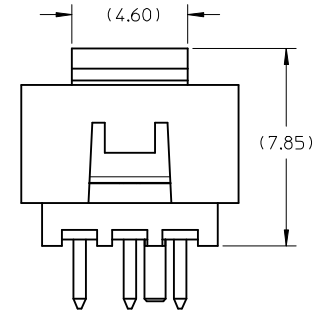
SECTION Y-Y



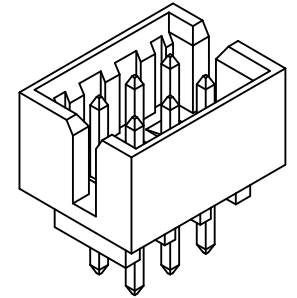
DETAIL3



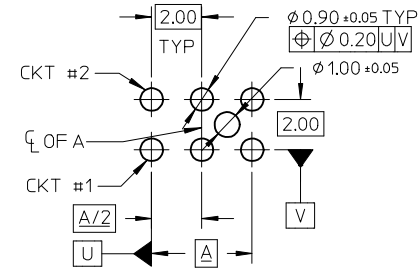
DETAIL4



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

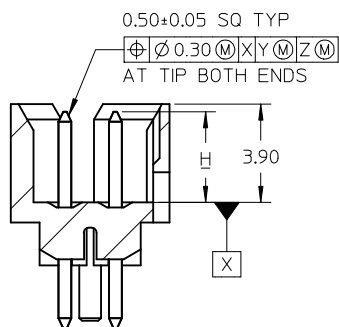
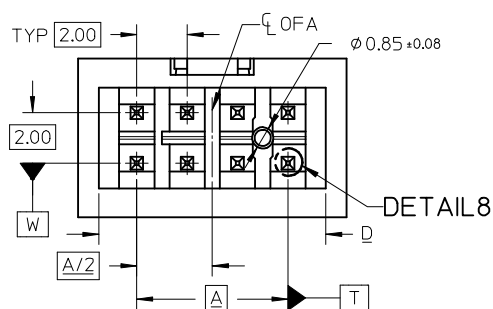
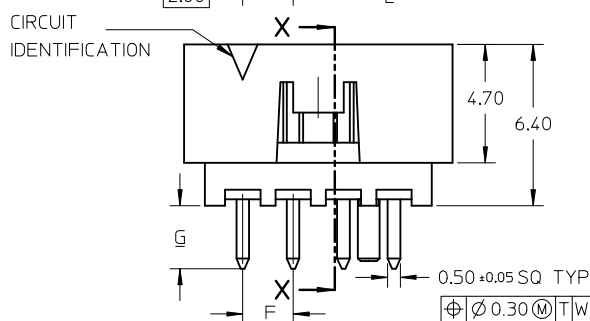
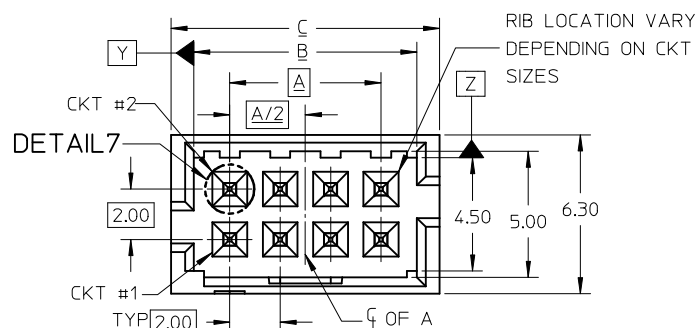
B. MOLEX 2MM MILLIGRID DUAL ROW IDT: 87568 SERIES

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

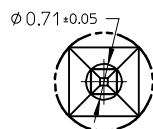
RELEASED EC NO: S2015-1188 DRAWN:GEMARLY CHKD:CGOH APPR:KHLIM 2015/04/15 2015/06/29 2015/06/29	DESCRIPTION	QUALITY SYMBOLS F_A =0 F_C =0 F_P =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY GEMENARLY	DATE 2015/04/15	TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER				
						CHECKED BY	DATE					
						APPROVED BY KHLIM	DATE 2015/06/29	molex DOCUMENT NO. SD-87831-0001 SHEET NO. 4 OF 13				
						MATERIAL NO.						
A	REV		ANGULAR ± 3 °		SIZE A3		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							

	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						
	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						
		87831-0620	N.A	N.A	2																				
		87831-0621	N.A	N.A	3																				
		87831-0636	N.A	N.A	4																				
E		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													2.50	
		87831-5241	N.A	N.A	2																				
		87831-5242	N.A	N.A	3																				
		87831-6241	N.A	N.A	2	N.A	YES	YES	N.A	N.A	N.A													2.80	
		87831-6242	N.A	N.A	3																				
		87831-0643	N.A	N.A	2																				
		87831-0644	N.A	N.A	3	N.A	YES	N.A	YES	N.A	N.A													2.50	3.60 ^{+0.15} _{-0.10}
		87831-0645	N.A	N.A	2																				
		87831-0646	N.A	N.A	3																				
D		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	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.										RELEASED EC NO: S2015-1188 DRW:GMENARLY CHKD:CGOH APPR:KHLIM		DESCRIPTION	QUALITY SYMBOLS	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		
											A	REV			4 PLACES ± --- ± ---		DRAWN BY GMENARLY		DATE 2015/04/15	TITLE		SD-87831-0001		SHEET NO. 5 OF 13	
															3 PLACES ± --- ± ---		CHECKED BY		DATE						
													2 PLACES ± 0.20 ± ---	APPROVED BY		DATE	MATERIAL NO.		DOCUMENT NO.						
											1 PLACE ± --- ± ---		KHLIM		2015/06/29										
											0 PLACE ± --- ± ---		ANGULAR ± 3 °		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											
	fb_frame_A3_P_AM_T Rev. G 2012/01/11																								
	10	9	8	7	6	5	4	3	2	1															

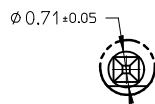
8 TO 12 CIRCUITS



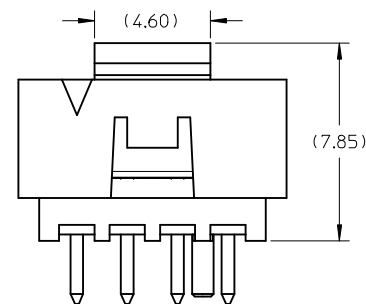
SECTION X-X



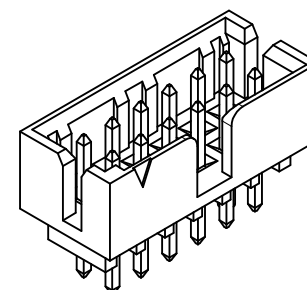
DETAIL7



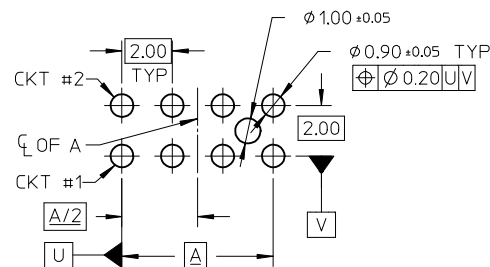
DETAIL8



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:

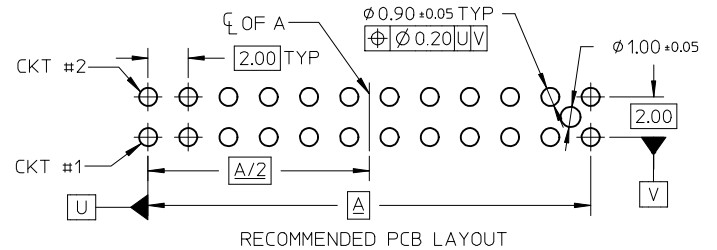
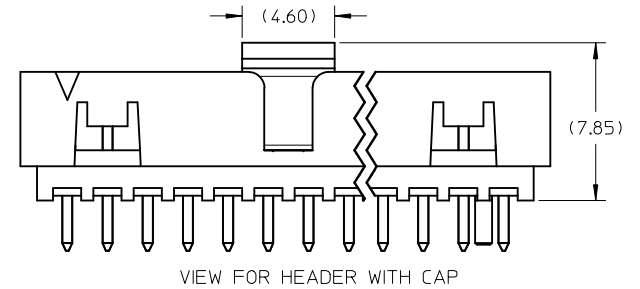
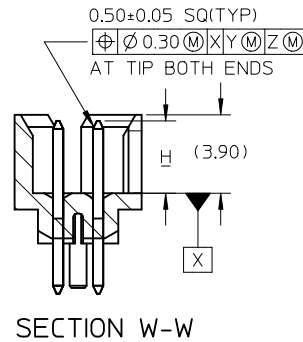
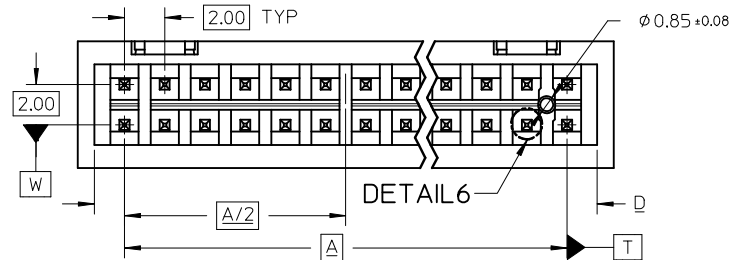
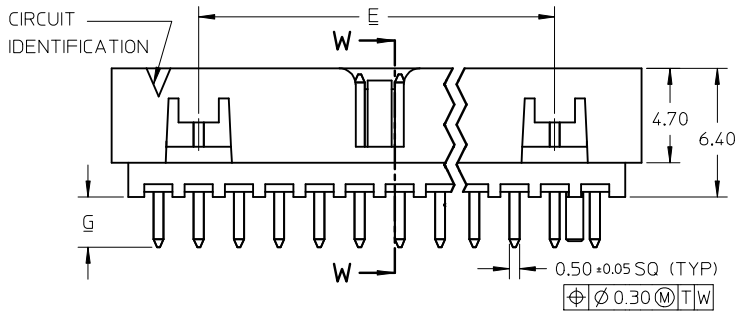
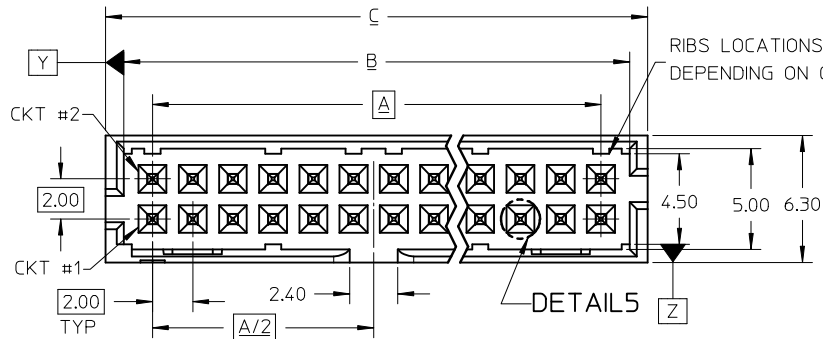
79107 (GOLD PLATED), 78787 (TIN PLATED)

RELEASED EC NO: S2015-1188 DRWN:GMENARLY CHKD:CGOH APPR:KHLIM 2015/04/15 2015/06/29 2015/06/29	DESCRIPTION	QUALITY SYMBOLS F_A=0 F_B=0 F_P=0	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					
			4 PLACES	± ---	± ---	CHECKED BY	DATE						
			3 PLACES	± ---	± ---								
			2 PLACES	± 0.20	± ---	APPROVED BY KHLIM	DATE 2015/06/29	DOCUMENT NO. SD-87831-0001 SHEET NO. 6 OF 13					
			1 PLACE	± ---	± ---	MATERIAL NO.							
			0 PLACE	± ---	± ---								
			ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE						
							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			
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						3.00	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						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	6.00	8.85	10.65	9.00	N.A	3.00	2.80	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										4.70
		87831-5742	N.A	N.A	3																
		87831-0832	N.A	N.A	2	N.A	YES	YES	N.A	N.A	YES										2.50
		87831-0843	N.A	N.A	2																
		87831-0844	N.A	N.A	3	N.A	YES	N.A	YES	N.A	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										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						N.A	3.50		
		87831-1232	N.A	N.A	2															
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																				
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 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										
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:

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

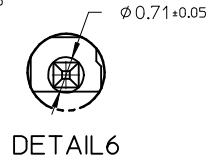
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES

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 2015/04/15 2015/06/29 2015/06/29	DESCRIPTION REV A	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		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	DOCUMENT NO. SD-87831-0001				
					MATERIAL NO.						
			ANGULAR ± 3 °		SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3						

		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							3.50													
87831-1410	N.A	N.A	2																												
87831-1411	N.A	N.A	3																												
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	YES	N.A	YES	N.A	YES	YES							2.50													
		87831-1628	N.A	N.A	2													3.50													
		87831-1629	N.A	N.A	3																										
		87831-1635	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES																				
C	18	87831-1819	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											
		87831-1820	N.A	N.A	2																										
		87831-1821	N.A	N.A	3																										
		87831-1836	N.A	N.A	4	YES	N.A	YES	N.A	YES	YES							2.50													
		87831-1828	N.A	N.A	2													3.50													
		87831-1829	N.A	N.A	3																										
		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	YES	N.A	YES	N.A	YES	YES	2.50																			
87831-2028	N.A			N.A	2							3.50																			
87831-2029	N.A			N.A	3							3.50																			
87831-2035	N.A			N.A	3	YES	N.A	YES	N.A	YES	N.A	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																						
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.																					RELEASED EC NO: S2015-1188 DRWN:GEMENARLY CHKD:GGOH APPR:KHL IM 2015/04/15 2015/06/29 2015/06/29 REV 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 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	DOCUMENT NO. SD-87831-0001 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																	
		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	YES	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	2.50												
87831-3429	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES	3.50												
	36	87831-3435	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			
		87831-3619	N.A	N.A	1																	
		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	YES	N.A	YES	N.A	YES	YES	2.50												
87831-3629	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES	3.50												
	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	YES	N.A	YES	N.A	YES	YES	3.50												
	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	YES	N.A	YES	N.A	YES	YES	3.50												
87831-4010	N.A	N.A	2	YES	N.A	YES	N.A	YES	N.A	3.50												
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.																					A
	RELEASED EC NO: S2015-1188 DRWN:GMENARLY CHKD:GCOH APPR:KHL IM		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 °		DIMENSION STYLE MM ONLY DRAWN BY DATE GMENARLY 2015/04/15 CHECKED BY DATE APPROVED BY DATE KHL IM 2015/06/29 MATERIAL NO.		SCALE NTS		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION		MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex		DOCUMENT NO. SD-87831-0001		SHEET NO. 12 OF 13		
	A					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE														
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																		
		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	44	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	YES	N.A	YES	N.A	YES	YES	3.50													
D	46	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																		
C	48	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																		
	50	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	YES	N.A	YES	N.A	YES	YES	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.																							
A	RELEASED EC NO: S2015-1188 DRWN:GMEARLY 2015/04/15 CHKD:GGOH 2015/06/29 APPR:KHL IM 2015/06/29 A					REV	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		MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex				SHEET NO. 13 OF 13		
	mm		INCH		DRAWN BY GMENARLY				DATE 2015/04/15	TITLE													
	mm		INCH		CHECKED BY				DATE														
	mm		INCH		APPROVED BY KHL IM				DATE 2015/06/29														
	ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.																		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE																				
	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					



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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