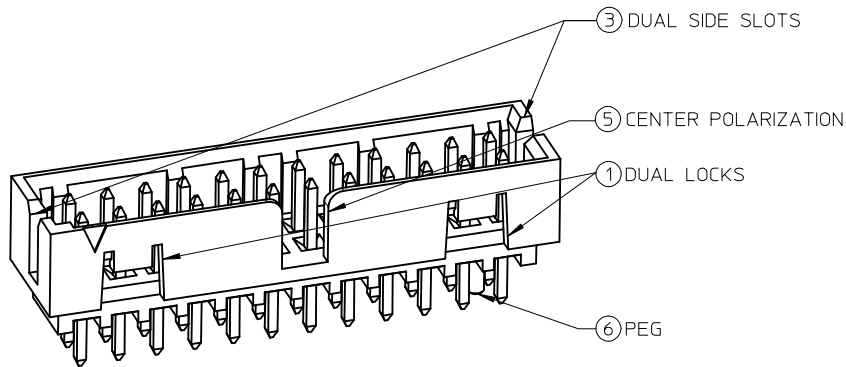
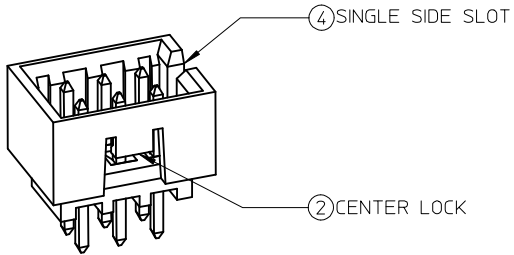


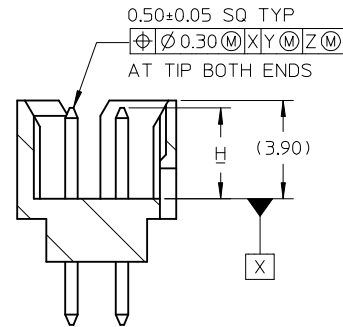
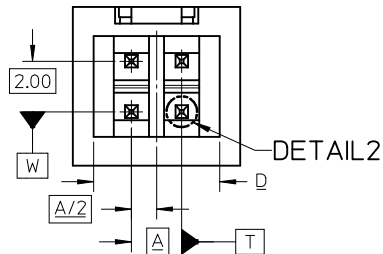
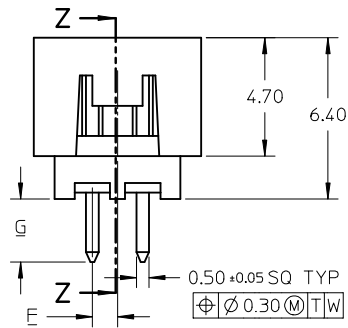
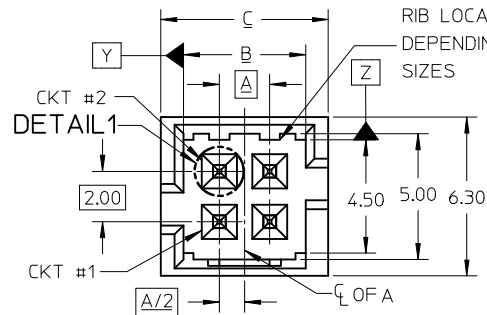
FEATURES SELECTION GUIDE



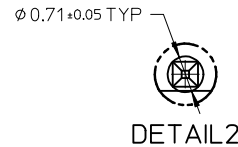
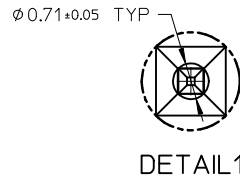
5		4		3		2		1	
CIRCUIT SIZE		FEATURES							
		FRICTION LOCKS		SIDE SLOTS		⑤ CENTER POLARIZATION	⑥ PEG	SHEET NO	
		① DUAL	② CENTER	③ DUAL	④ SINGLE				
4	N.A	N.A	YES	N.A	N.A	N.A	2 - 3		
	N.A	YES	YES	N.A	N.A	N.A			
	N.A	YES	N.A	YES	N.A	N.A			
6	N.A	N.A	YES	N.A	N.A	N.A	4 - 5		
	N.A	N.A	YES	N.A	N.A	YES			
	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 DRAWN:GMENARLY CHK'D:GOH 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	DATE	TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER			
			4 PLACES		± ---	± ---	GMENARLY	2015/04/15				
			3 PLACES		± ---	± ---	CHECKED BY	DATE				
			2 PLACES		± 0.20	± ---	APPROVED BY		DATE	molex		
			1 PLACE		± ---	± ---	KHL IM		2015/06/29			
			0 PLACE		± ---	± ---	MATERIAL NO.		DOCUMENT NO.			
			ANGULAR ± 3 °		SEE TABLE		SD-87831-0001		1 OF 13			
			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					

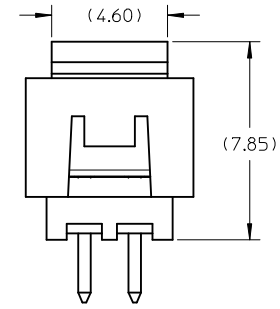
4 CIRCUITS



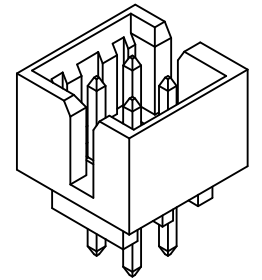
SECTION Z-Z



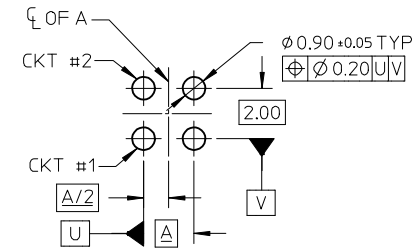
DETAIL2



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

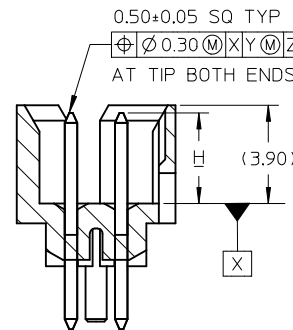
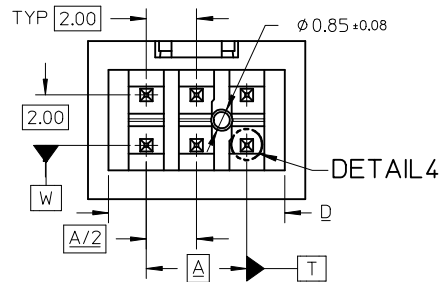
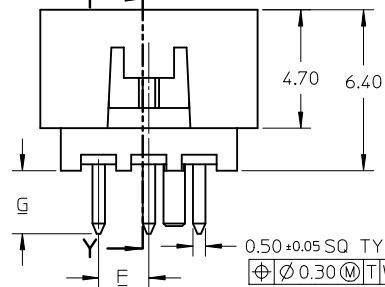
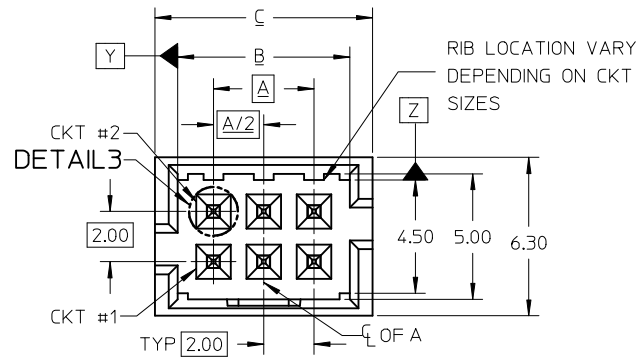
C. MOLEX 2MM MILLIGRID DUAL ROW RECEPTACLE:

79107 (GOLD PLATED), 78787 (TIN PLATED)

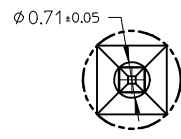
RELEASED EC NO: S2015-1188 DRAWN:GMENARLY CHKD:CGOH APPR:KHLIM 2015/04/15 2015/06/29 2015/06/29	DESCRIPTION	QUALITY SYMBOLS F_A=0 F_G=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY GMENARLY	DATE 2015/04/15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

6 CIRCUITS



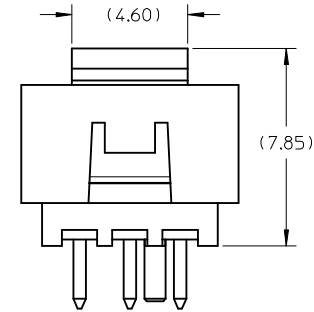
SECTION Y-Y



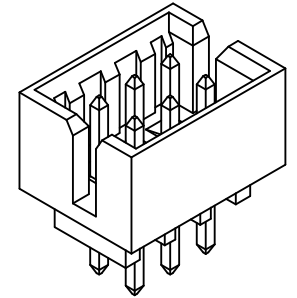
DETAIL3



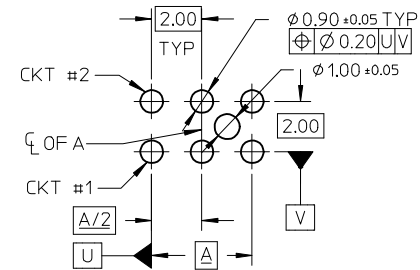
DETAIL4



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

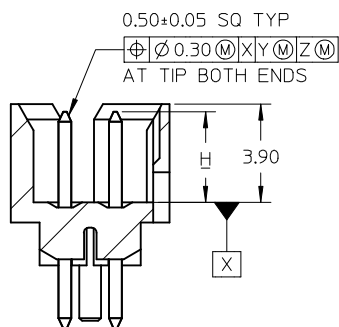
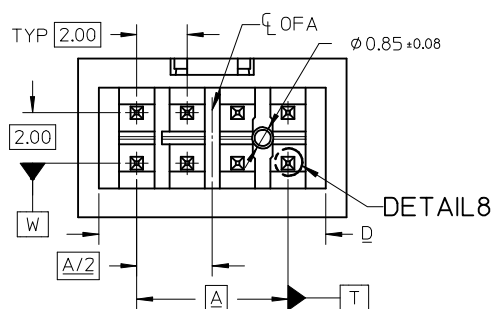
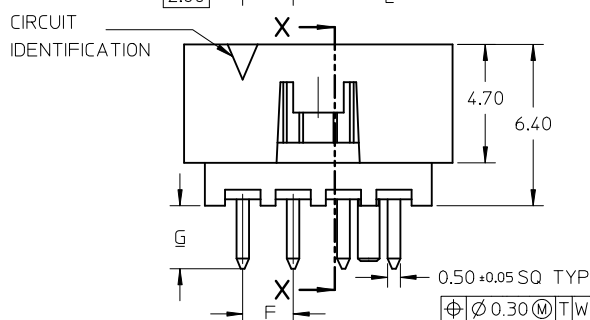
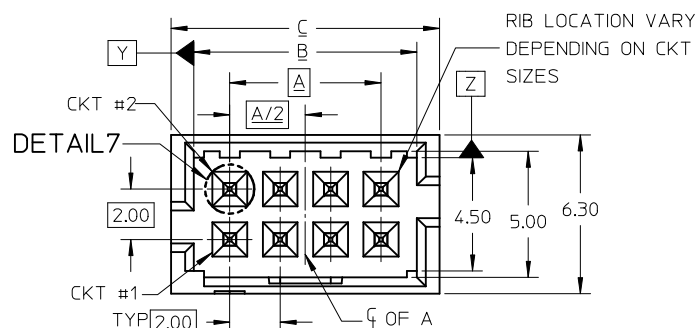
B. MOLEX 2MM MILLIGRID DUAL ROW IDT: 87568 SERIES

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

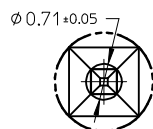
RELEASED EC NO: S2015-1188 2015/04/15 DRAWING: GEMARLY 2015/06/29 CHKD: CGOH 2015/06/29 APPR: KHLIM	DESCRIPTION	QUALITY SYMBOLS F_A =0 F_C =0 F_P =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					DRAWN BY GMENARLY	DATE 2015/04/15	TITLE MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER					
					CHECKED BY	DATE						
					APPROVED BY KHLIM	DATE 2015/06/29	DOCUMENT NO. SD-87831-0001					
			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																						
	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													
		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	N.A						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																											
87831-5241	N.A	N.A	2	N.A	YES	YES	N.A	N.A	N.A	2.00	2.50																					
87831-5242	N.A	N.A	3								3.50																					
87831-6241	N.A	N.A	2								2.80																					
87831-6242	N.A	N.A	3								2.50																					
D		87831-0643	N.A	N.A	2	N.A	YES	N.A	YES		N.A	N.A	4.00	6.85	8.65	7.00	N.A	2.50	3.60 ^{+0.15} _{-0.10}													
		87831-0644	N.A	N.A	3													2.50														
		87831-0645	N.A	N.A	2													2.50														
		87831-0646	N.A	N.A	3													2.50														
		87831-0632	N.A	N.A	2	N.A	YES	YES	N.A	N.A	N.A	N.A						N.A		N.A	2.50											
		87831-5119	N.A	N.A	1																	N.A	N.A	YES	N.A	YES	N.A					
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/10Quin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL. <table><tr><td rowspan="4">RELEASED EC NO: S2015-1188 DRWN:GMENARLY CHKD:GKH APPR:KHL IM</td><td rowspan="4">DESCRIPTION REV</td><td>QUALITY SYMBOLS $\nabla_F=0$ $\nabla_F=0$ $\nabla_F=0$</td><td>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</td><td>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</td><td>SCALE NTS</td><td>DESIGN UNITS METRIC</td><td>THIRD ANGLE PROJECTION</td><td>MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex</td><td>SHEET NO. 5 OF 13</td></tr><tr><td colspan="2">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:GMENARLY CHKD:GKH APPR:KHL IM	DESCRIPTION REV	QUALITY SYMBOLS $\nabla_F=0$ $\nabla_F=0$ $\nabla_F=0$	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	SHEET NO. 5 OF 13	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		A	
RELEASED EC NO: S2015-1188 DRWN:GMENARLY CHKD:GKH APPR:KHL IM	DESCRIPTION REV	QUALITY SYMBOLS $\nabla_F=0$ $\nabla_F=0$ $\nabla_F=0$	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	SHEET NO. 5 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																					

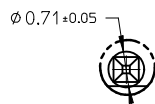
8 TO 12 CIRCUITS



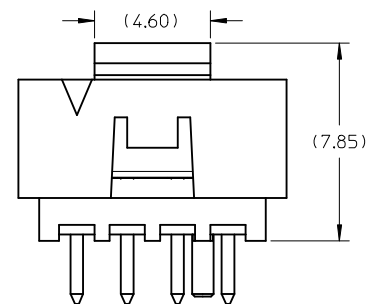
SECTION X-X



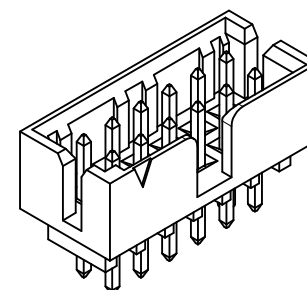
DETAIL7



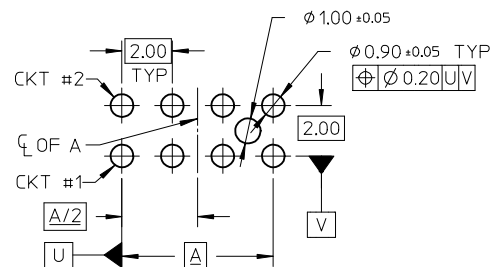
DETAIL8



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:

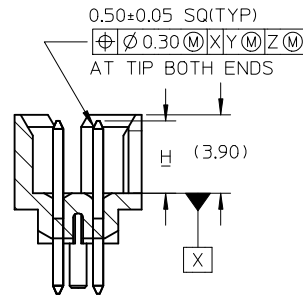
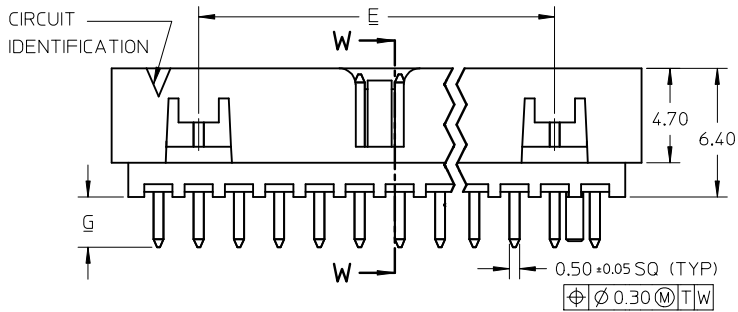
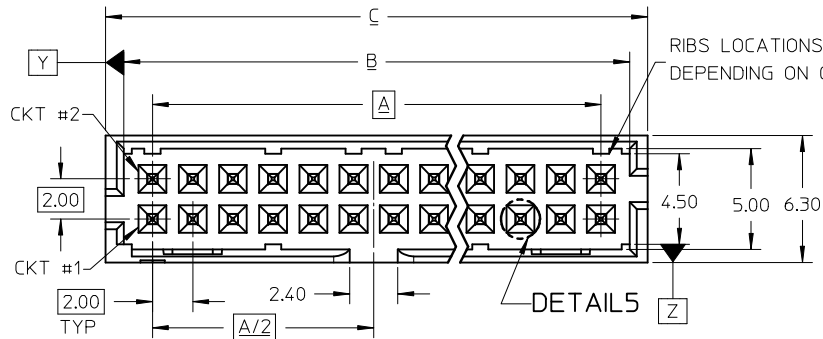
79107 (GOLD PLATED), 78787 (TIN PLATED)

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 SHEET NO. 6 OF 13			
			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				
			A		SIZE A3						
REV											

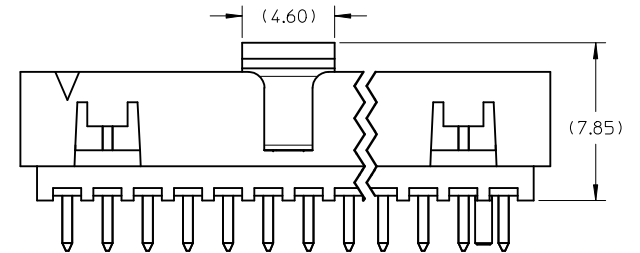
		10	9	8	7	6	5	4	3	2	1																		
		8 CIRCUITS																											
F	CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	PLATING OPTIONS	FRICTION LOCKS		SIDE SLOTS		CENTER POLARIZATION	PEG	DIMENSION							F										
						DUAL	CENTER	DUAL	SINGLE			A	B	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	3.00	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	N.A	N.A	2.50	3.60±0.20	E	
		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	N.A			N.A	N.A	N.A	N.A	2.50	3.60±0.20	E	
		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	N.A	2.50	3.60±0.20	E
		87831-5442	N.A	N.A	3																								
		N.A	87831-5541	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±0.20	E									
		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	N.A	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	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	N.A	YES	N.A	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
		87831-0845	N.A	N.A	2																								
		87831-0846	N.A	N.A	3	N.A	YES	N.A	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
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	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																																																	
		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		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}																																																	
		87831-1032	N.A	N.A	2															N.A	YES	N.A	YES	N.A	N.A	YES	2.50																																									
		87831-1043	N.A	N.A	2	N.A	YES	N.A	YES	N.A	N.A							2.50																																																		
		87831-1044	N.A	N.A	3															N.A	YES	N.A	YES	N.A	N.A	2.50																																										
		87831-1045	N.A	N.A	2	N.A	YES	N.A	YES	N.A	N.A						YES	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																																																	
		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	YES	N.A	N.A	YES	2.50																																											
87831-1243	N.A	N.A	2	N.A	YES	N.A	YES	N.A	N.A	2.50																																																										
87831-1244	N.A	N.A	3								N.A	YES	N.A	YES	N.A	N.A	2.50																																																			
87831-1245	N.A	N.A	2	N.A	YES	N.A	YES	N.A	N.A	YES								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.										<table><tr><td rowspan="5">RELEASED EC NO: S2015-1188 DRWN:GMENARLY CHKD:CGOH APPR:KHL IM A</td><td rowspan="5">REV DESCRIPTION 2015/04/15 2015/06/29 2015/06/29</td><td>QUALITY SYMBOLS</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">$\nabla=0$ $\nabla=0$ $\nabla=0$</td><td colspan="2"> mm INCH </td><td>DRAWN BY GMENARLY</td><td>DATE 2015/04/15</td><td colspan="4" rowspan="2">MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex</td></tr><tr><td colspan="2"></td><td>CHECKED BY</td><td>DATE</td></tr><tr><td colspan="2">ANGULAR ± 3 °</td><td>APPROVED BY KHL IM</td><td>DATE 2015/06/29</td><td colspan="4" rowspan="2">SD-87831-0001</td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td>MATERIAL NO. SEE TABLE</td><td>DOCUMENT NO.</td><td>SHEET NO. 8 OF 13</td></tr><tr><td colspan="2"></td><td>SIZE A3</td><td colspan="7">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:GMENARLY CHKD:CGOH APPR:KHL IM A	REV DESCRIPTION 2015/04/15 2015/06/29 2015/06/29	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		$\nabla=0$ $\nabla=0$ $\nabla=0$	mm INCH		DRAWN BY GMENARLY	DATE 2015/04/15	MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex						CHECKED BY	DATE	ANGULAR ± 3 °		APPROVED BY KHL IM	DATE 2015/06/29	SD-87831-0001				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE	DOCUMENT NO.	SHEET NO. 8 OF 13			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							A
	RELEASED EC NO: S2015-1188 DRWN:GMENARLY CHKD:CGOH APPR:KHL IM A	REV DESCRIPTION 2015/04/15 2015/06/29 2015/06/29	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																																																										
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			ANGULAR ± 3 °		APPROVED BY KHL IM	DATE 2015/06/29	SD-87831-0001																																																													
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE	DOCUMENT NO.					SHEET NO. 8 OF 13																																																									
		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																																																	
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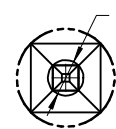
14 TO 50 CIRCUITS



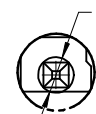
SECTION W-W



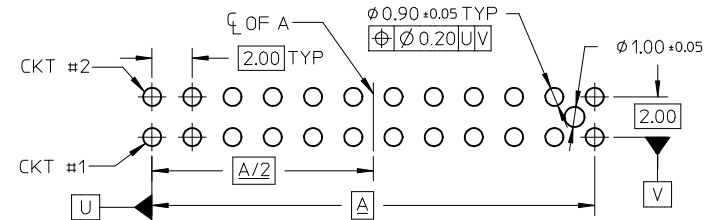
VIEW FOR HEADER WITH CAP



DETAIL 5



DETAIL 6



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:KHL IM 2015/04/15 2015/06/29 2015/06/29	DESCRIPTION REV A	QUALITY SYMBOLS
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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		B		C		D		E		F		G		H		I		J		K		L		M		N		O		P		Q		R		S		T		U		V		W		X		Y		Z		AA		AB		AC		AD		AE		AF		AG		AH		AI		AJ		AK		AL		AM		AN		AO		AP		AQ		AR		AS		AT		AU		AV		AW		AX		AY		AZ		BA		BB		BC		BD		BE		BF		BG		BH		BI		BJ		BK		BL		BM		BN		BO		BP		BQ		BR		BS		BT		BU		BV		BW		BX		BY		BZ		CA		CB		CC		CD		CE		CF		CG		CH		CI		CJ		CK		CL		CM		CN		CO		CP		CQ		CR		CS		CT		CU		CV		CW		CX		CY		CZ		DA		DB		DC		DD		DE		DF		DG		DH		DI		DJ		DK		DL		DM		DN		DO		DP		DQ		DR		DS		DT		DU		DV		DW		DX		DY		DZ		EA		EB		EC		ED		EE		EF		EG		EH		EI		EJ		EK		EL		EM		EN		EO		EP		EQ		ER		ES		ET		EU		EV		EW		EX		EY		EZ		FA		FB		FC		FD		FE		FF		FG		FH		FI		FJ		FK		FL		FM		FN		FO		FP		FQ		FR		FS		FT		FU		FV		FW		FX		FY		FZ		GA		GB		GC		GD		GE		GF		GG		GH		GI		GJ		GK		GL		GM		GN		GO		GP		GQ		GR		GS		GT		GU		GV		GW		GX		GY		GZ		HA		HB		HC		HD		HE		HF		HG		HH		HI		HJ		HK		HL		HM		HN		HO		HP		HQ		HR		HS		HT		HU		HV		HW		HX		HY		HZ		IA		IB		IC		ID		IE		IF		IG		IH		II		IJ		IK		IL		IM		IN		IO		IP		IQ		IR		IS		IT		IU		IV		IW		IX		IY		IZ		JA		JB		JC		JD		JE		JF		JG		JH		JI		JJ		JK		JL		JM		JN		JO		JP		JQ		JR		JS		JT		JU		JV		JW		JX		JY		JZ		KA		KB		KC		KD		KE		KF		KG		KH		KI		KJ		KK		KL		KM		KN		KO		KP		KQ		KR		KS		KT		KU		KV		KW		KX		KY		KZ		LA		LB		LC		LD		LE		LF		LG		LH		LI		LJ		LK		LL		LM		LN		LO		LP		LQ		LR		LS		LT		LU		LV		LW		LX		LY		LZ		MA		MB		MC		MD		ME		MF		MG		MH		MI		MJ		MK		ML		MN		MO		MP		MQ		MR		MS		MT		MU		MV		MW		MX		MY		MZ		NA		NB		NC		ND		NE		NF		NG		NH		NI		NJ		NK		NL		NM		NN		NO		NP		NQ		NR		NS		NT		NU		NV		NW		NX		NY		NZ		OA		OB		OC		OD		OE		OF		OG		OH		OI		OJ		OK		OL		OM		ON		OO		OP		OQ		OR		OS		OT		OU		OV		OW		OX		OY		OZ		PA		PB		PC		PD		PE		PF		PG		PH		PI		PJ		PK		PL		PM		PN		PO		PP		PQ		PR		PS		PT		PU		PV		PW		PX		PY		PZ		QA		QB		QC		QD		QE		QF		QG		QH		QI		QJ		QK		QL		QM		QN		QO		QP		QQ		QR		QS		QT		QU		QV		QW		QX		QY		QZ		RA		RB		RC		RD		RE		RF		RG		RH		RI		RJ		RK		RL		RM		RN		RO		RP		RQ		RR		RS		RT		RU		RV		RW		RX		RY		RZ		SA		SB		SC		SD		SE		SF		SG		SH		SI		SJ		SK		SL		SM		SN		SO		SP		SQ		SR		SS		ST		SU		SV		SW		SX		SY		SZ		TA		TB		TC		TD		TE		TF		TG		TH		TI		TJ		TK		TL		TM		TN		TO		TP		TQ		TR		TS		TT		TU		TV		TW		TX		TY		TZ		UA		UB		UC		UD		UE		UF		UG		UH		UI		UJ		UK		UL		UM		UN		UO		UP		UQ		UR		US		UT		UU		UV		UW		UX		UY		UZ		VA		VB		VC		VD		VE		VF		VG		VH		VI		VJ		VK		VL		VM		VN		VO		VP		VQ		VR		VS		VT		VU		VV		VW		VX		VY		VZ		WA		WB		WC		WD		WE		WF		WG		WH		WI		WJ		WK		WL		WM		WN		WO		WP		WQ		WR		WS		WT		WU		WV		WW		WX		WY		WZ		XA		XB		XC		XD		XE		XF		XG		XH		XI		XJ		XK		XL		XM		XN		XO		XP		XQ		XR		XS		XT		XU		XV		XW		XX		XY		XZ		YA		YB		YC		YD		YE		YF		YG		YH		YI		YJ		YK		YL		YM		YN		YO		YP		YQ		YR		YS		YT		YU		YV		YW		YX		YY		YZ		ZA		ZB		ZC		ZD		ZE		ZF		ZG		ZH		ZI		ZJ		ZK		ZL		ZM		ZN		ZO		ZP		ZQ		ZR		ZS		ZT		ZU		ZV		ZW		ZX		ZY		ZZ	

	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														
		87831-2228	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
	87831-2229	N.A	N.A	3															
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														
		87831-2428	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
		87831-2429	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES							3.50	
		87831-2435	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES							3.50	
	87831-2410	N.A	N.A	2	YES	N.A	YES	N.A	YES	N.A									
D	26	87831-2619	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	24.00	26.85	28.65	27.00	20.00	N.A	2.50	3.60±0.20
		87831-2620	N.A	N.A	2														
		87831-2621	N.A	N.A	3														
		87831-2636	N.A	N.A	4														
		87831-2628	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
		87831-2629	N.A	N.A	3	YES	N.A	YES	N.A	YES	N.A							3.50	
		87831-2610	N.A	N.A	2	YES	N.A	YES	N.A	YES	N.A								
C	28	87831-2819	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	26.00	28.85	30.65	29.00	22.00	N.A	2.50	3.60±0.20
		87831-2820	N.A	N.A	2														
		87831-2821	N.A	N.A	3														
		87831-2836	N.A	N.A	4														
		87831-2828	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
		87831-2829	N.A	N.A	3														
B	30	87831-3019	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	28.00	30.85	32.65	31.00	24.00	N.A	2.50	3.60±0.20
		87831-3020	N.A	N.A	2														
		87831-3021	N.A	N.A	3														
		87831-3036	N.A	N.A	4														
		87831-3028	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
		87831-3029	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES							3.50	
		87831-3035	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES							3.50	
		87831-3010	87831-3030	87831-3050	2	YES	N.A	YES	N.A	YES	N.A								
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:GEMARLY 2015/04/15 CHKD:CGOH 2015/06/29 APPR:KHL IM 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 °	DIMENSION STYLE MM ONLY DRAWN BY DATE GMENARLY 2015/04/15 CHECKED BY DATE APPROVED BY DATE KHL IM 2015/06/29 MATERIAL NO. DOCUMENT NO.	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER molex		SHEET NO. 11 OF 13			
						A		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									

		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	YES	N.A	YES	N.A	YES	YES							3.50																																																																																																																																																																																															
		87831-3435	N.A	N.A	3																																																																																																																																																																																																												
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																																																																																																																																																																																																												
	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																					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 DRAWN:GEMARLY 2015/04/15 CHKD:GGH 2015/06/29 APPR:KHL IM 2015/06/29 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 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. 12 OF 13																					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					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				
		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					
E	44	87831-4229	N.A	N.A	3	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				
		87831-4419	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																		
		87831-4428	N.A	N.A	2													YES			N.A	YES	N.A
87831-4429	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES	3.50													
87831-4435	N.A	N.A	3																				
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	YES	N.A	YES	N.A	YES	YES							3.50					
		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/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL.																				A		
	RELEASED EC NO: S2015-1188 2015/04/15 DRWN:GMENARLY 2015/06/29 CHKD:CGOH 2015/06/29 APPR:KHLIM 2015/06/29		QUALITY SYMBOLS F _A =0 F _E =0 F _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 KHLIM 2015/06/29 MATERIAL NO. SEE TABLE		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								
	A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				
	1b_frame_A3_P_AM-T Rev. G 2012/01/11																						
	9		8		7		6		5		4		3		2		1						

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9