

Excellent Integrated System Limited

Stocking Distributor

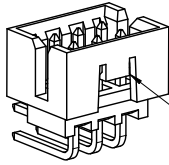
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[0878331231](#)

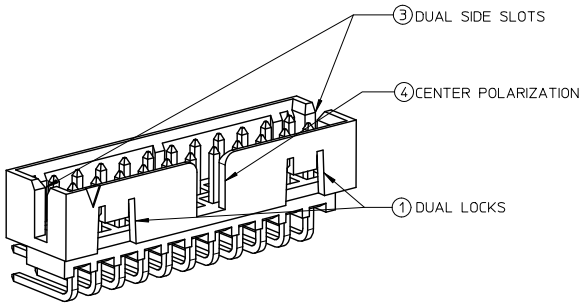
For any questions, you can email us directly:

sales@integrated-circuit.com

FEATURES SELECTION GUIDE



② CENTER LOCK



③ DUAL SIDE SLOTS

④ CENTER POLARIZATION

① DUAL LOCKS

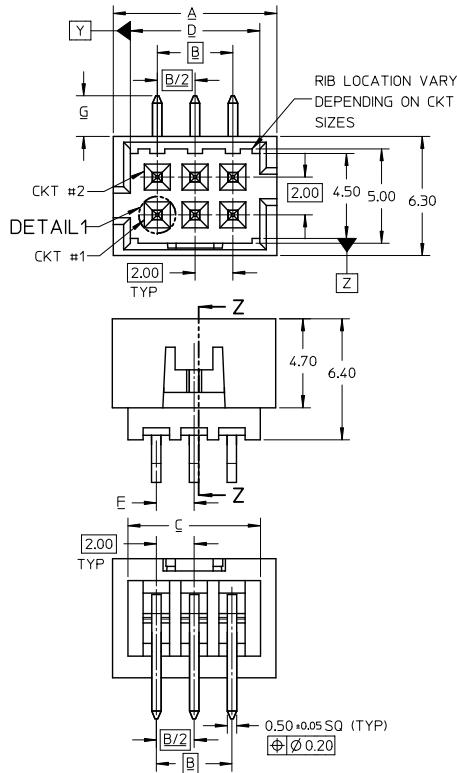
CIRCUIT SIZE	FEATURES				
	FRICTION LOCKS		③ DUAL SIDE SLOTS	④ CENTER POLARIZATION	SHEET NO
	① DUAL	② CENTER			
4 - 6	N.A	N.A	YES	N.A	2 - 3
	N.A	YES	YES	N.A	
8 TO 12	N.A	N.A	YES	YES	4 - 5
	N.A	YES	YES	N.A	
14 TO 50	YES	N.A	YES	YES	6 - 9
	N.A	N.A	YES	YES	

PACKAGING SPECIFICATION TABLE

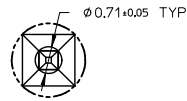
TAPE AND REEL PACKAGING	PK-87831-300
TUBE STANDARD PACKAGING	PK-87831-001
TUBE NON-STANDARD PACKAGING FOR: 87833-0861 87833-1420	PK-87831-002

ADD PK TABLE EC NO: S2017-0022 DRAWN BY: GMENARLY CHKD: SCHEONG APPR: KHLIM	REV	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 2015/09/29	TITLE MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex	DOCUMENT NO. SD-87833-0001	SHEET NO. 1 OF 9
				4 PLACES	± ---	± ---	CHECKED BY CGOH	DATE 2015/10/30			
				2 PLACES	± 0.20	± ---	APPROVED BY KHLIM	DATE 2015/11/03			
				1 PLACE	± ---	± ---	MATERIAL NO.	SEE TABLE			
				0 PLACE	± ---	± ---	ANGULAR ± 3 °				
				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			

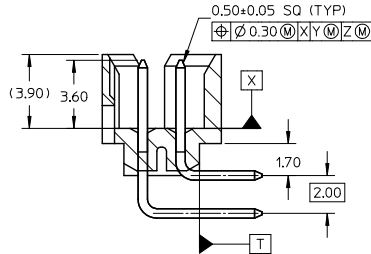
10 9 8 7 6 5 4 3 2 1



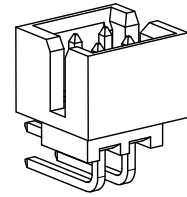
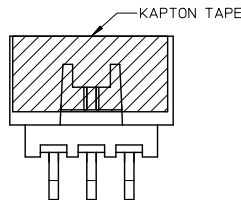
4 TO 6 CIRCUITS



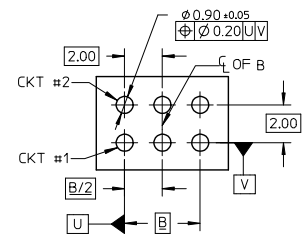
DETAIL 1



SECTION Z-Z



ISO VIEW OF HEADER
DUAL SIDE SLOTS



RECOMMENDED PCB LAYOUT

NOTES:

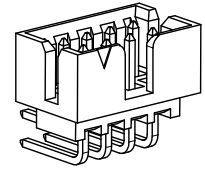
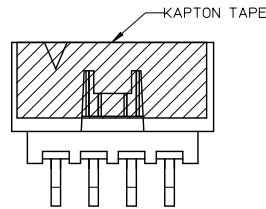
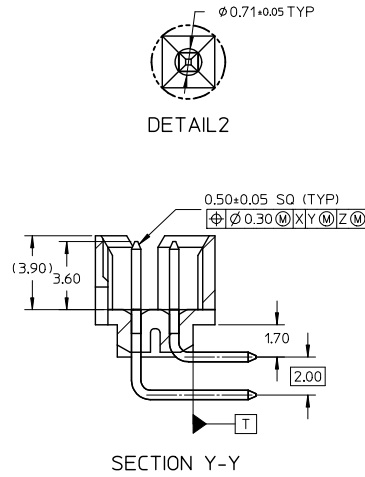
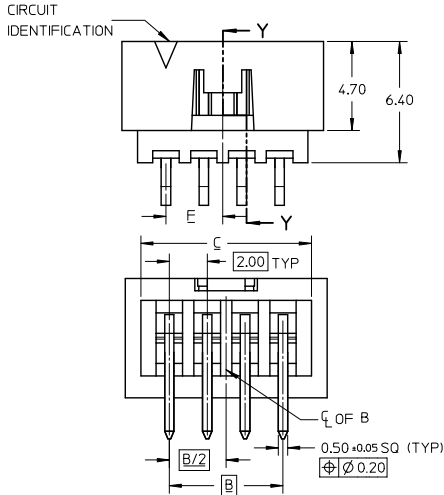
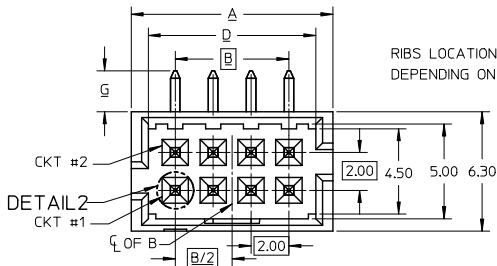
1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND CRIMP TERMINAL: 50394 SERIES
B. MOLEX 2MM MILLIGRID DUAL ROW IDT: 87568 SERIES
C. MOLEX 2MM MILLIGRID DUAL ROW RECEPTACLE: 79107 (GOLD PLATED), 78787 (TIN PLATED)
6. FOR ILLUSTRATION PURPOSE, 6 CIRCUITS HEADER IS SHOWN

EDIT NOTE 4 EC NO: S2017-0022 DRAWN: GMENARLY CHKD: SCHEONG APPR: KHL IM	2016/07/12 2016/07/27 2016/07/28	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION				
							MM ONLY		NTS	METRIC					
					mm	INCH	DRAWN BY	DATE	TITLE						
				 =0	4 PLACES	± ---	± ---	GMENARLY	2015/09/29	MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER					
				 =0	3 PLACES	± ---	± ---	CHECKED BY	DATE						
				 =0	2 PLACES	± 0.20	± ---	CGOH	2015/10/30						
				 =0	1 PLACE	± ---	± ---	APPROVED BY	DATE						
					0 PLACE	± ---	± ---	KHL IM	2015/11/03	molex					
							ANGULAR ± 3 °		MATERIAL NO.			DOCUMENT NO.	SHEET NO. 2 OF 9		
							DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE			SD-87833-0001			
A2	REV						SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

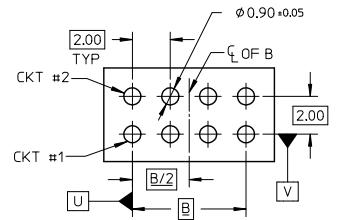
9 8 7 6 5 4 3 2 1

	10	9	8	7	6	5	4	3	2	1								
	4 TO 6 CIRCUITS																	
F	CKT SIZE	ASSY P/N WITHOUT KAPTON IN TUBE	ASSY P/N WITH KAPTON IN TUBE	ASSY P/N WITH KAPTON IN T&R	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	DIMENSION						F		
						DUAL	CENTER			A	B	C	D	E	F	G (SOLDER TAIL)		
	4	87833-0419	N.A	N.A	1	N.A	N.A	YES	N.A	6.65	2.00	5.00	4.85	N.A	N.A	2.16		
		87833-0420	N.A	N.A	2										N.A	3.18		
		87833-0421	N.A	N.A	3										N.A	2.16		
		87833-5920	N.A	N.A	2	N.A	N.A	YES	N.A						N.A	3.18		
		87833-0431	87833-0441	87833-0451	2	N.A	YES	YES	N.A						1.00	2.16		
		87833-0432	N.A	N.A	3	N.A	YES	YES	N.A						1.00	3.18		
E		87833-0461	N.A	N.A	2	N.A	YES	YES	N.A								E	
	6	87833-0619	N.A	N.A	1	N.A	N.A	YES	N.A	8.65	4.00	7.00	6.85	N.A	N.A	2.16		
		87833-0620	N.A	N.A	2										N.A	3.18		
		87833-0621	N.A	N.A	3										N.A	2.16		
		87833-6420	N.A	N.A	2	N.A	N.A	YES	N.A						2.00	3.18		
		87833-0631	87833-0641	87833-0651	2	N.A	YES	YES	N.A						2.00	3.18		
		87833-0632	N.A	N.A	3	N.A	YES	YES	N.A						N.A	2.92		
		87833-0661	N.A	N.A	2	N.A	YES	YES	N.A									
		87833-0624	N.A	N.A	2	N.A	N.A	YES	N.A									
		87833-0625	N.A	N.A	3													
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 MIN. 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 MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.					SEE SHEET 1.2.4.6 EC NO: S2017-0022 DRAWN BY: 2016/07/12 CHKD: SCHEONG 2016/07/27 APPR: KHLIM 2016/07/28 REV: A2	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: GMEARLY DATE: 2015/09/29 CHECKED BY: CGOH DATE: 2015/10/30 APPROVED BY: KHLIM DATE: 2015/11/03 MATERIAL NO. SEE TABLE SIZE: A3	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex	DOCUMENT NO. SD-87833-0001	SHEET NO. 3 OF 9			
	10	9	8	7	6	5	4	3	2	1								

8 TO 12 CIRCUITS



ISO VIEW OF HEADER WITH CENTER POLARIZATION AND DUAL SIDE SLOTS



NOTES:

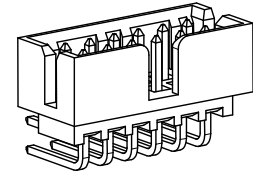
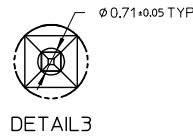
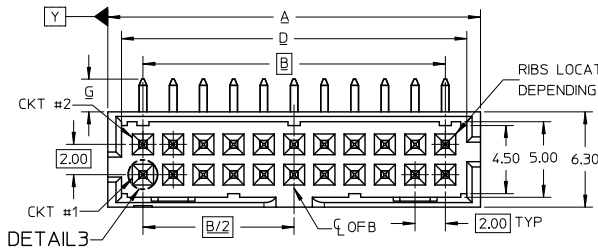
1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 5110 SERIES AND CRIMP 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)
6. FOR ILLUSTRATION PURPOSE, 8 CIRCUIT HEADER IS SHOWN

EDIT NOTE 4 EC NO: S2017-0022 DRAWN BY: 2016/07/12 CHKD: SCHEONG 2016/07/27 APPR: KHLIM 2016/07/28 REV A2	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		 =0  =0  =0		mm	INCH	DRAWN BY	DATE	TITLE MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex DOCUMENT NO. SD-87833-0001 SHEET NO. 4 OF 9		
			4 PLACES	± ---	± ---	GMEARLY	2015/09/29			
			3 PLACES	± ---	± ---	CHECKED BY	DATE			
			2 PLACES	± 0.20	± ---	CGOH	2015/10/30			
			1 PLACE	± ---	± ---	APPROVED BY	DATE			
		0 PLACE	± ---	± ---	KHLIM	2015/11/03				
		ANGULAR ± 3°		MATERIAL 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						

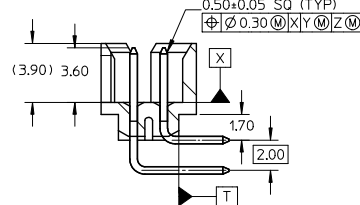
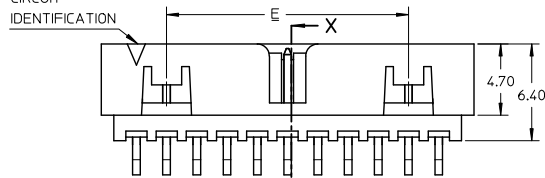
	10	9	8	7	6	5	4	3	2	1																																																		
	8 TO 12 CIRCUITS																																																											
F	CKT SIZE	ASSY P/N WITHOUT KAPTON IN TUBE	ASSY P/N WITH KAPTON IN TUBE	ASSY P/N WITH KAPTON IN T&R	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	DIMENSION						F																																												
						DUAL	CENTER			A	B	C	D	E	F	G (SOLDER TAIL)																																												
E	8	87833-0819	N.A	N.A	1	N.A	N.A	YES	YES	10.65	6.00	9.00	8.85	N.A	N.A	2.16	E																																											
		87833-0820	N.A	N.A	2																																																							
		87833-0821	N.A	N.A	3																																																							
		87833-6320	N.A	N.A	2	N.A	N.A	YES	YES						N.A	3.18																																												
		87833-6321	N.A	N.A	3																																																							
		87833-0831	87833-0841	87833-0851	2																																																							
		87833-0832	N.A	N.A	3	N.A	YES	YES	N.A						3.00	2.16																																												
		87833-0861	N.A	N.A	2	N.A	YES	YES	N.A						3.00	3.18																																												
		87833-0824	N.A	N.A	2	N.A	N.A	YES	YES						N.A	2.92																																												
87833-0825	N.A	N.A	3																																																									
D	10	87832-1019	N.A	N.A	1	N.A	N.A	YES	YES	12.65	8.00	11.00	10.85	N.A	N.A	2.16	D																																											
		87833-1020	N.A	N.A	2																																																							
		87833-1021	N.A	N.A	3																																																							
		87833-1031	N.A	N.A	2	N.A	YES	YES	N.A						4.00	2.16																																												
		87833-1032	N.A	N.A	3																																																							
		N.A	87833-1041	87833-1051	2										N.A	YES		YES	N.A	4.00	1.70																																							
		87833-1024	N.A	N.A	2	N.A	N.A	YES	YES						N.A	2.92																																												
87833-1025	N.A	N.A	3																																																									
C	12	87833-1219	N.A	N.A	1	N.A	N.A	YES	YES	14.65	10.00	13.00	12.85	N.A	N.A	2.16	C																																											
		87833-1220	N.A	N.A	2																																																							
		87833-1221	N.A	N.A	3																																																							
		87833-6020	N.A	N.A	2	N.A	N.A	YES	YES						N.A	3.18																																												
		87833-1231	N.A	N.A	2																																																							
		87833-1232	N.A	N.A	3																																																							
		87833-1224	N.A	N.A	2	N.A	N.A	YES	YES						N.A	2.16																																												
		87833-1225	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 MIN. 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 MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.																B																																											
A	<table><tr><td rowspan="4">SEE SHEET 12.4.6 EC NO. S2017-0022 DRAWN: GRENARLY 2016/07/12 CHKD: SCHEONG 2016/07/27 APPR: KHL IM 2016/07/28</td><td rowspan="4">REV A2</td><td rowspan="4">DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0 ▽=0</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>mm</td><td>INCH</td><td>DRAWN BY GRENARLY</td><td>DATE 2015/09/29</td><td colspan="4" rowspan="3">MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex DOCUMENT NO. SD-87833-0001 SHEET NO. 5 OF 9</td></tr><tr><td>4 PLACES ±---</td><td>±---</td><td>CHECKED BY CGOH</td><td>DATE 2015/10/30</td></tr><tr><td>3 PLACES ±---</td><td>±---</td><td>APPROVED BY KHL IM</td><td>DATE 2015/11/03</td></tr><tr><td colspan="2">1 PLACE ±---</td><td>±---</td><td colspan="2">ANGULAR ± 3 °</td><td colspan="2">SEE TABLE</td><td colspan="4" rowspan="2">THIS DRAFT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr><tr><td colspan="2">0 PLACE ±---</td><td>±---</td><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td></tr></table>																SEE SHEET 12.4.6 EC NO. S2017-0022 DRAWN: GRENARLY 2016/07/12 CHKD: SCHEONG 2016/07/27 APPR: KHL IM 2016/07/28	REV A2	DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		mm	INCH	DRAWN BY GRENARLY	DATE 2015/09/29	MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex DOCUMENT NO. SD-87833-0001 SHEET NO. 5 OF 9				4 PLACES ±---	±---	CHECKED BY CGOH	DATE 2015/10/30	3 PLACES ±---	±---	APPROVED BY KHL IM	DATE 2015/11/03	1 PLACE ±---		±---	ANGULAR ± 3 °		SEE TABLE		THIS DRAFT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				0 PLACE ±---		±---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A
SEE SHEET 12.4.6 EC NO. S2017-0022 DRAWN: GRENARLY 2016/07/12 CHKD: SCHEONG 2016/07/27 APPR: KHL IM 2016/07/28	REV A2	DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																																																			
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1 PLACE ±---		±---	ANGULAR ± 3 °		SEE TABLE		THIS DRAFT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																																					
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10 9 8 7 6 5 4 3 2 1

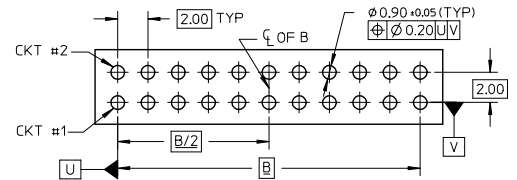
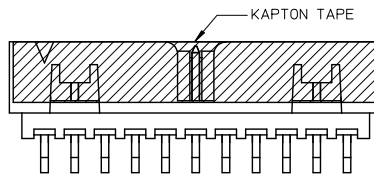
14 TO 50 CIRCUITS



ISO VIEW OF HEADER WITH CENTER POLARIZATION AND DUAL SIDE SLOTS



SECTION X-X



NOTES:

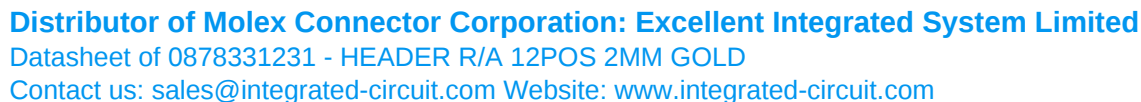
1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND CRIMP TERMINAL: 50394 SERIES
B. MOLEX 2MM MILLIGRID DUAL ROW IDT: 87568 SERIES
C. MOLEX 2MM MILLIGRID DUAL ROW RECEPTACLE: 79107 (GOLD PLATED), 78787 (TIN PLATED)
6. FOR ILLUSTRATION PURPOSE, 22 CIRCUITS HEADER IS SHOWN

EDIT NOTE 4 EC NO: SZ07-0022 DRAWN BY CHKD:SCHEONG APPR:KHLIM A2	2016/07/12 2016/07/27 2016/07/28	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION		
						MM ONLY		NTS	METRIC			
					mm	INCH	DRAWN BY	DATE	TITLE MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex			
				 =0	4 PLACES	± ---	± ---	GMENARLY			2015/09/29	
				 =0	3 PLACES	± ---	± ---	CHECKED BY			DATE	
				 =0	2 PLACES	± 0.20	± ---	CGOH			2015/10/30	
				 =0	1 PLACE	± ---	± ---	APPROVED BY			DATE	
					0 PLACE	± ---	± ---	KHLIM	2015/11/03		DOCUMENT NO. SD-87833-0001	
				ANGULAR ± 3 °		MATERIAL NO.		SHEET NO. 6 OF 9				
				DRAFT WHERE APPLICABLE		SEE TABLE						
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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F	CKT SIZE	ASSY P/N WITHOUT KAPTON IN TUBE	ASSY P/N WITH KAPTON IN TUBE	ASSY P/N WITH KAPTON IN T&R	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	DIMENSION							F																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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E	16	87833-1619	N.A	N.A	1	YES	N.A	YES	YES	18.65	14.00	17.00	16.85	10.00	N.A	2.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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D	20	87833-2019	N.A	N.A	1	YES	N.A	YES	YES	22.65	18.00	21.00	20.85	14.00	N.A	2.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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		87833-2036	N.A	N.A	3	YES	N.A	YES	YES								3.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	22	87833-2219	N.A	N.A	1	YES	N.A	YES	YES	24.65	20.00	23.00	22.85	16.00	N.A	2.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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C	24	87833-2419	N.A	N.A	1	YES	N.A	YES	YES	26.65	22.00	25.00	24.85	18.00	N.A	2.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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	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 MIN. 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 MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
A	SEE SHEET 12.4.6 EC NO. S2017-0022 DRAWN BY: 2016/07/12 CHKD BY: 2016/07/27 APPR: KHL IM A2																	REV	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 2015/09/29 CHECKED BY DATE CGOH 2015/10/30 APPROVED BY DATE KHL IM 2015/11/03 MATERIAL NO. SEE TABLE	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex	DOCUMENT NO. SD-87833-0001	SHEET NO. 7 OF 9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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	10	9	8	7	6	5	4	3	2	1							
	26 TO 38 CIRCUITS																
F	CKT SIZE	ASSY P/N WITHOUT KAPTON IN TUBE	ASSY P/N WITH KAPTON IN TUBE	ASSY P/N WITH KAPTON IN T&R	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	DIMENSION						F	
						DUAL	CENTER			A	B	C	D	E	F	G (SOLDER TAIL)	
	26	87833-2619	N.A	N.A	1	YES	N.A	YES	YES	28.65	24.00	27.00	26.85	20.00	N.A	2.16	
		87833-2620	N.A	N.A	2												
		87833-2621	N.A	N.A	3												
		87833-2636	N.A	N.A	3	YES	N.A	YES	YES								3.50
E	28	87833-2819	N.A	N.A	1	YES	N.A	YES	YES	30.65	26.00	29.00	28.85	22.00	N.A	2.16	
		87833-2820	N.A	N.A	2												
		87833-2821	N.A	N.A	3												
		87833-6620	N.A	N.A	2	YES	N.A	YES	YES								3.18
	30	87832-3019	N.A	N.A	1	YES	N.A	YES	YES	32.65	28.00	31.00	30.85	24.00	N.A	2.16	
		87833-3020	N.A	N.A	2												
		87833-3021	N.A	N.A	3												
		87833-6720	N.A	N.A	2	YES	N.A	YES	YES								3.18
		87833-6721	N.A	N.A	3												
		87833-3036	N.A	N.A	3	YES	N.A	YES	YES								3.50
D	32	87833-3219	N.A	N.A	1	YES	N.A	YES	YES	34.65	30.00	33.00	32.85	26.00	N.A	2.16	
		87833-3220	N.A	N.A	2												
		87833-3221	N.A	N.A	3												
	34	87833-3419	N.A	N.A	1	YES	N.A	YES	YES	36.65	32.00	35.00	34.85	28.00	N.A	2.16	
		87833-3420	N.A	N.A	2												
		87833-3421	N.A	N.A	3												
		87833-5420	N.A	N.A	2	YES	N.A	YES	YES								3.18
		87833-3424	N.A	N.A	2	N.A	N.A	YES	YES								2.92
C	36	87833-3619	N.A	N.A	1	YES	N.A	YES	YES	38.65	34.00	37.00	36.85	30.00	N.A	2.16	
		87833-3620	N.A	N.A	2												
		87833-3621	N.A	N.A	3												
	38	87833-3819	N.A	N.A	1	YES	N.A	YES	YES	40.65	36.00	39.00	38.85	32.00	N.A	2.16	
		87833-3820	N.A	N.A	2												
		87833-3821	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 MIN. 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 MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.					SEE SHEET 12.4.6 EC NO: S2017-0022 DRWNGENARLY 2016/07/12 CHKD:SCHEONG 2016/07/27 APPR:KHL IN 2016/07/28 A2	QUALITY SYMBOLS √=0 √=0 √=0 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 DATE GMENARLY 2015/09/29 CHECKED BY DATE CGOH 2015/10/30 APPROVED BY DATE KHL IM 2015/11/03 MATERIAL NO. SEE TABLE SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SCALE NTS DESIGN UNITS METRIC THIRD ANGLE PROJECTION	MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex			DOCUMENT NO. SD-87833-0001	SHEET NO. 8 OF 9		
	10	9	8	7	6	5	4	3	2	1							



		10		9		8		7		6		5		4		3		2		1	
40 TO 50 CIRCUITS																					
F	CKT SIZE	ASSY P/N WITHOUT KAPTON IN TUBE	ASSY P/N WITH KAPTON IN TUBE	ASSY P/N WITH KAPTON IN T&R	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	DIMENSION											
						DUAL	CENTER			A	B	C	D	E	F	G (SOLDER TAIL)					
	40	87833-4019	N.A	N.A	1	YES	N.A	YES	YES	42.65	38.00	41.00	40.85	34.00	N.A	2.16					
		87833-4020	N.A	N.A	2																
		87833-4021	N.A	N.A	3																
	42	87833-4219	N.A	N.A	1	YES	N.A	YES	YES	44.65	40.00	43.00	42.85	36.00	N.A	2.16					
		87833-4220	N.A	N.A	2																
		87833-4221	N.A	N.A	3																
E	44	87833-4419	N.A	N.A	1	YES	N.A	YES	YES	46.65	42.00	45.00	44.85	38.00	N.A	2.16					
		87833-4420	N.A	N.A	2																
		87833-4421	N.A	N.A	3																
		87833-4424	N.A	N.A	2																
			87832-4425	N.A	N.A	3	N.A	N.A	YES							YES	2.92				
	46	87833-4619	N.A	N.A	1	YES	N.A	YES	YES	48.65	44.00	47.00	46.85	40.00	N.A	2.16					
		87833-4620	N.A	N.A	2																
		87833-4621	N.A	N.A	3																
D	48	87833-4819	N.A	N.A	1	YES	N.A	YES	YES	50.65	46.00	49.00	48.85	42.00	N.A	2.16					
		87833-4820	N.A	N.A	2																
		87833-4821	N.A	N.A	3																
	50	87833-5019	N.A	N.A	1	YES	N.A	YES	YES	52.65	48.00	51.00	50.85	44.00	N.A	0.15					
		87833-5020	N.A	N.A	2																
		87833-5021	N.A	N.A	3																
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 MIN. 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 MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.																					
SEE SHEET 1.2.4.6 EC NO: S2017-0022 DRAWN BY: 2016/07/12 CHKD BY: 2016/07/27 APPR: KHLIM 2016/07/28																					
QUALITY SYMBOLS DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																					
GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± .005 ± .0001 3 PLACES ± .005 ± .0001 2 PLACES ± 0.20 ± .005 1 PLACE ± .005 ± .0001 0 PLACE ± .005 ± .0001 ANGULAR ± 3 °																					
DIMENSION STYLE MM ONLY DRAWN BY: 2015/09/29 GMENARLY CHECKED BY: 2015/10/30 CGOH APPROVED BY: 2015/11/03 KHLIM MATERIAL NO. SEE TABLE SCALE: NTS DESIGN UNITS: METRIC THIRD ANGLE PROJECTION TITLE: MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER DOCUMENT NO. SD-87833-0001 SHEET NO. 9 OF 9 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					
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