

Excellent Integrated System Limited

Stocking Distributor

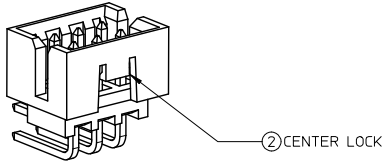
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[0878331051](#)

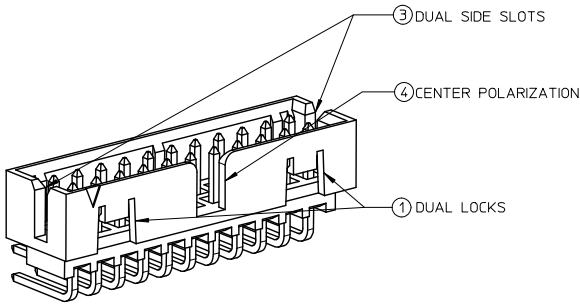
For any questions, you can email us directly:

sales@integrated-circuit.com

FEATURES SELECTION GUIDE



② CENTER LOCK



③ DUAL SIDE SLOTS

④ CENTER POLARIZATION

① DUAL LOCKS

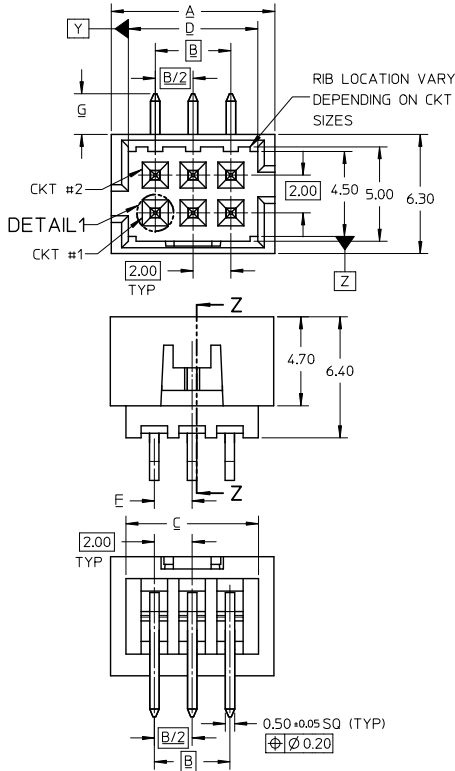
CIRCUIT SIZE	FEATURES				
	FRICTION LOCKS		③ DUAL SIDE SLOTS	④ CENTER POLARIZATION	SHEET NO
	① DUAL	② CENTER			
4 - 6	N.A	N.A	YES	N.A	2 - 3
	N.A	YES	YES	N.A	
8 TO 12	N.A	N.A	YES	YES	4 - 5
	N.A	YES	YES	N.A	
14 TO 50	YES	N.A	YES	YES	6 - 9
	N.A	N.A	YES	YES	

PACKAGING SPECIFICATION TABLE

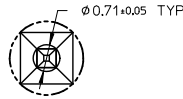
TAPE AND REEL PACKAGING	PK-87831-300
TUBE STANDARD PACKAGING	PK-87831-001
TUBE NON-STANDARD PACKAGING FOR: 87833-0861 87833-1420	PK-87831-002

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

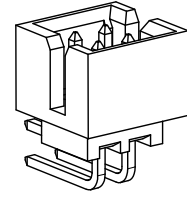
10 9 8 7 6 5 4 3 2 1



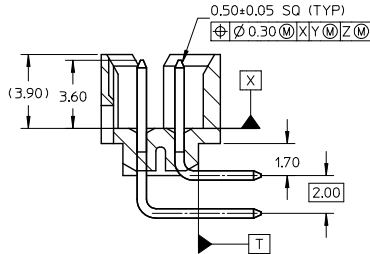
4 TO 6 CIRCUITS



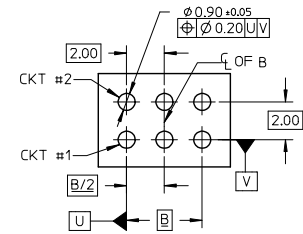
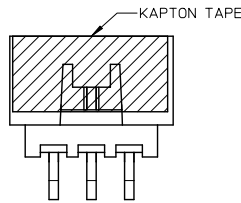
DETAIL 1



ISO VIEW OF HEADER
DUAL SIDE SLOTS



SECTION Z-Z



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 2016/07/12 CHECKED: SCHEONG 2016/07/27 APPR: KHL IM 2016/07/28 REV A2	QUALITY SYMBOLS $\nabla=0$ $\nabla=0$ $\nabla=0$	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.20</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>0 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.20	± ---	1 PLACE	± ---	± ---	0 PLACE	± ---	± ---	DIMENSION STYLE MM ONLY DRAWN BY: GMENARLY DATE: 2015/09/29 CHECKED BY: CGOH DATE: 2015/10/30 APPROVED BY: KHL IM DATE: 2015/11/03	SCALE NTS DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex
		mm	INCH																				
	4 PLACES	± ---	± ---																				
	3 PLACES	± ---	± ---																				
2 PLACES	± 0.20	± ---																					
1 PLACE	± ---	± ---																					
0 PLACE	± ---	± ---																					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-87833-0001	SHEET NO. 2 OF 9																			
		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

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)
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	3.18									
	87833-0431	87833-0441	87833-0451	2	N.A	1.00									
	87833-0432	N.A	N.A	3	N.A	2.16									
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	3.18									
	87833-0631	87833-0641	87833-0651	2	N.A	2.00									
	87833-0632	N.A	N.A	3	N.A	2.16									
	87833-0661	N.A	N.A	2	N.A	3.18									
	87833-0624	N.A	N.A	2	N.A	N.A									
	87833-0625	N.A	N.A	3	N.A	2.92									

PLATING OPTIONS:

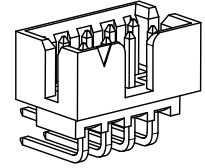
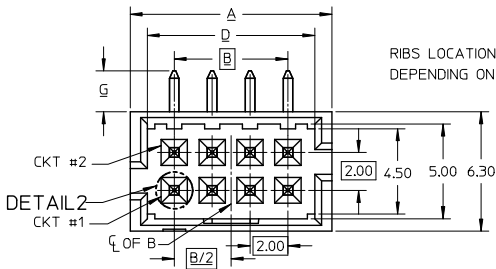
- 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
- 2 - 0.38um/15uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
- 3 - 0.76um/30uin MIN. GOLD 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: MENARLY 2016/07/17 CHKD: SCHEONG 2016/07/27 APPR: KHLIM 2016/07/28 REV A2	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	$\sqrt{\text{---}}=0$ $\sqrt{\text{---}}=0$ $\sqrt{\text{---}}=0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- ANGULAR ± 3°	MM ONLY	NTS	METRIC	DRAWN BY: MENARLY 2015/09/29 CHECKED BY: CGOH 2015/10/30 APPROVED BY: KHLIM 2015/11/03	TITLE: MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex DOCUMENT NO: SD-87833-0001 SHEET NO: 3 OF 9
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLE	SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

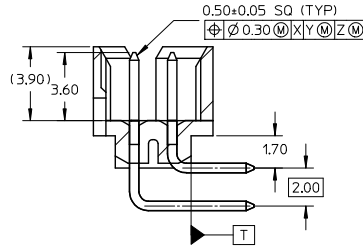
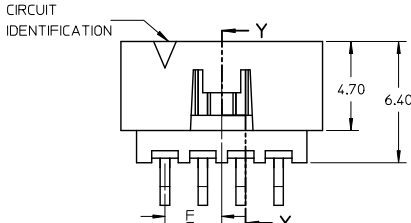
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10 9 8 7 6 5 4 3 2 1

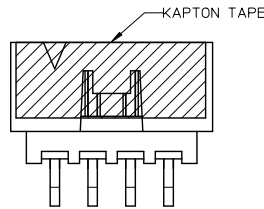
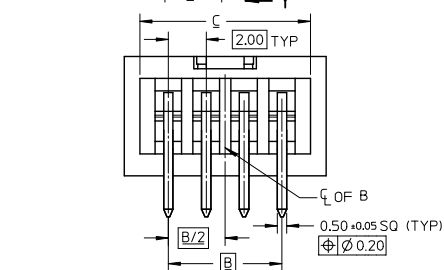
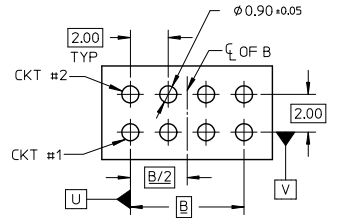
8 TO 12 CIRCUITS



ISO VIEW OF HEADER WITH CENTER POLARIZATION AND DUAL SIDE SLOTS



SECTION Y-Y



NOTES:

- MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
- FINISHES: REFER TO PLATING OPTIONS
- PRODUCT SPECIFICATION: PS-87831-027
- PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
- 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)
- FOR ILLUSTRATION PURPOSE, 8 CIRCUIT HEADER IS SHOWN

EDIT NOTE 4 EC NO: S2017-0022 DRAWN: MENARLY 2016/07/17 CHKD: SCHEONG 2016/07/27 APPR: KILLIM 2016/07/28 REV A2	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	$\nabla=0$ $\nabla=0$ $\nabla=0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- ANGULAR ± 3°	MM ONLY	NTS	METRIC	DRAWN BY DATE GMENARLY 2015/09/29 CHECKED BY DATE CGOH 2015/10/30 APPROVED BY DATE KHLIM 2015/11/03	TITLE
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE	MATERIAL NO.	DOCUMENT NO.	MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex		
		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SD-87833-0001	SHEET NO. 4 OF 9	

9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

8 TO 12 CIRCUITS

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)
8	87833-0819	N.A	N.A	1					10.65	6.00	9.00	8.85	N.A	N.A	2.16
	87833-0820	N.A	N.A	2	N.A	N.A	YES	YES							
	87833-0821	N.A	N.A	3											
	87833-6320	N.A	N.A	2	N.A	N.A	YES	YES							
	87833-6321	N.A	N.A	3											
	87833-0831	87833-0841	87833-0851	2	N.A	YES	YES	N.A							
	87833-0832	N.A	N.A	3											
	87833-0861	N.A	N.A	2	N.A	YES	YES	N.A							
87833-0824	N.A	N.A	2												
87833-0825	N.A	N.A	3	N.A	N.A	YES	YES						N.A	2.92	
10	87832-1019	N.A	N.A	1					12.65	8.00	11.00	10.85	N.A	N.A	2.16
	87833-1020	N.A	N.A	2	N.A	N.A	YES	YES							
	87833-1021	N.A	N.A	3											
	87833-1031	N.A	N.A	2	N.A	YES	YES	N.A							
	87833-1032	N.A	N.A	3											
	N.A	87833-1041	87833-1051	2	N.A	YES	YES	N.A							
	87833-1024	N.A	N.A	2	N.A	N.A	YES	YES							
87833-1025	N.A	N.A	3										N.A	2.92	
12	87833-1219	N.A	N.A	1					14.65	10.00	13.00	12.85	N.A	N.A	2.16
	87833-1220	N.A	N.A	2	N.A	N.A	YES	YES							
	87833-1221	N.A	N.A	3											
	87833-6020	N.A	N.A	2	N.A	N.A	YES	YES							
	87833-1231	N.A	N.A	2	N.A	YES	YES	N.A							
	87833-1232	N.A	N.A	3											
	87833-1224	N.A	N.A	2	N.A	N.A	YES	YES							
87833-1225	N.A	N.A	3										N.A	2.92	

PLATING OPTIONS:

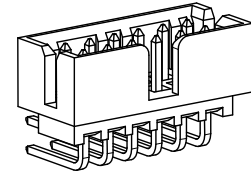
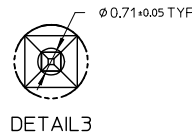
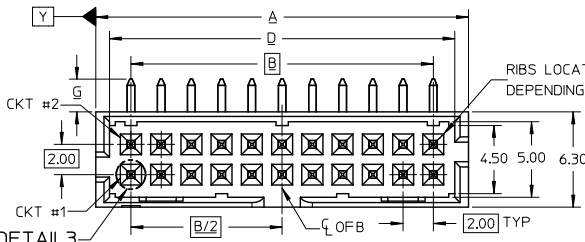
- 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
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SEE SHEET 12.4.6 IEC NO: S2017-0022 DRAWN BY: GEMENARLY 2016/07/12 CHECKED BY: CHIKO-SCHEONG 2016/07/27 APPR: KHLIM 2016/07/28 REV: A2	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
				MM ONLY		NTS	METRIC	
				DRAWN BY DATE		TITLE		
				CHECKED BY DATE		MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER		
		APPROVED BY DATE		MATERIAL NO.		DOCUMENT NO.		SHEET NO. 5 OF 9
		ANGULAR ± 3°		SEE TABLE		SD-87833-0001		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

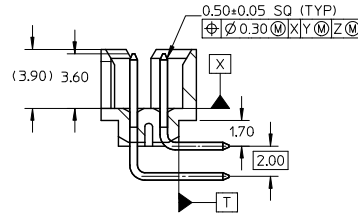
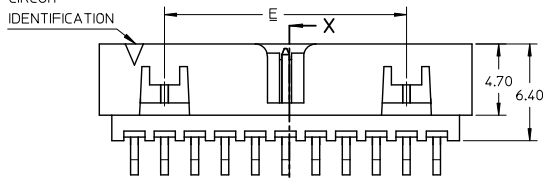
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10 9 8 7 6 5 4 3 2 1

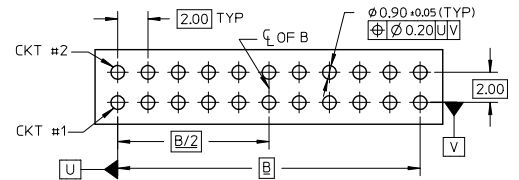
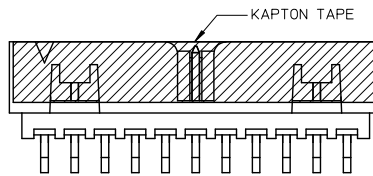
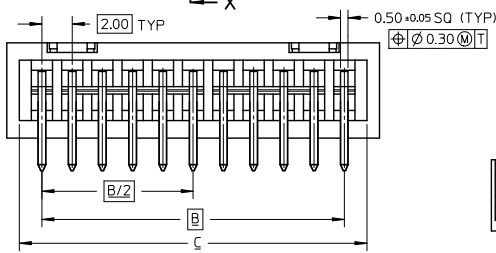
14 TO 50 CIRCUITS



ISO VIEW OF HEADER WITH CENTER POLARIZATION AND DUAL SIDE SLOTS



SECTION X-X



NOTES:

- MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
- FINISHES: REFER TO PLATING OPTIONS
- PRODUCT SPECIFICATION: PS-87831-027
- PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
- 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)
- FOR ILLUSTRATION PURPOSE, 22 CIRCUITS HEADER IS SHOWN

EDIT NOTE 4 EC NO: S2017-0022 DRAWN BY: GMENARLY 2016/07/27 CHKD: SCHEONG 2016/07/27 APPR: KHLIM 2016/07/28	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
			mm	INCH	MM ONLY	NTS	METRIC				
		4 PLACES	±---	±---	DRAWN BY	DATE	TITLE				
		3 PLACES	±---	±---	GMENARLY	2015/09/29	MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER				
	2 PLACES	±0.20	±---	CHECKED BY	DATE	molex DOCUMENT NO. SD-87833-0001 SHEET NO. 6 OF 9					
	1 PLACE	±---	±---	CGOH	2015/10/30						
	0 PLACE	±---	±---	APPROVED BY	DATE						
				KHLIM	2015/11/03						
				MATERIAL NO.							
				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	

9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

14 TO 24 CIRCUITS

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)
14	87833-1419	N.A	N.A	1					16.65	12.00	15.00	14.85	8.00	N.A	2.16
	87833-1420	N.A	N.A	2	YES	N.A	YES	YES							
	87833-1421	N.A	N.A	3											
	87833-5320	N.A	N.A	2	YES	N.A	YES	YES							
	87833-5321	N.A	N.A	3											
	87833-1436	N.A	N.A	3	YES	N.A	YES	YES							3.50
16	87833-1619	N.A	N.A	1					18.65	14.00	17.00	16.85	10.00	N.A	2.16
	87833-1620	N.A	N.A	2	YES	N.A	YES	YES							
	87833-1621	N.A	N.A	3											
	87833-6120	N.A	87833-7120	2	YES	N.A	YES	YES							
18	87833-1819	N.A	N.A	1					20.65	16.00	19.00	18.85	12.00	N.A	2.16
	87833-1820	N.A	N.A	2	YES	N.A	YES	YES							
	87833-1821	N.A	N.A	3											
	87833-6220	N.A	N.A	2	YES	N.A	YES	YES							
20	87833-2019	N.A	N.A	1					22.65	18.00	21.00	20.85	14.00	N.A	2.16
	87833-2020	N.A	87833-7220	2	YES	N.A	YES	YES							
	87833-2021	N.A	N.A	3											
	87833-6520	N.A	N.A	2	YES	N.A	YES	YES							
	87833-6521	N.A	N.A	3											
	87833-2036	N.A	N.A	3	YES	N.A	YES	YES							
22	87833-2219	N.A	N.A	1					24.65	20.00	23.00	22.85	16.00	N.A	2.16
	87833-2220	N.A	N.A	2	YES	N.A	YES	YES							
	87833-2221	N.A	N.A	3											
24	87833-2419	N.A	N.A	1					26.65	22.00	25.00	24.85	18.00	N.A	2.16
	87833-2420	N.A	87833-7020	2	YES	N.A	YES	YES							
	87833-2421	N.A	N.A	3											
	87833-2436	N.A	N.A	3	YES	N.A	YES	YES							
	87833-6920	N.A	N.A	2	YES	N.A	YES	YES							

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.

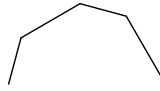
SEE SHEET 1.2.4.6 EC NO. S2017-0022 DRAWN:HEARLY 2016/07/17 CHKD:SCHEONG 2016/07/27 APPR:KILLIM 2016/07/28 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	$\nabla=0$ $\nabla=0$ $\nabla=0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- ANGULAR ± 3°	MM ONLY	NTS	METRIC	DRAWN BY DATE GMENARLY 2015/09/29 CHECKED BY DATE CGOH 2015/10/30 APPROVED BY DATE KHLIM 2015/11/03	TITLE MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE			MATERIAL NO. SEE TABLE DOCUMENT NO. SD-87833-0001	SHEET NO. 7 OF 9
	A2					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

10 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

26 TO 38 CIRCUITS

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)	
26	87833-2619	N.A	N.A	1					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	YES	N.A	YES	YES								3.50
	87833-2636	N.A	N.A	3	YES	N.A	YES	YES								
28	87833-2819	N.A	N.A	1					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	YES	N.A	YES	YES								3.18
	87833-6620	N.A	N.A	2	YES	N.A	YES	YES								
30	87832-3019	N.A	N.A	1					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	YES	N.A	YES	YES								3.18
	87833-6720	N.A	N.A	2	YES	N.A	YES	YES								
	87833-6721	N.A	N.A	3	YES	N.A	YES	YES								
32	87833-3219	N.A	N.A	1					34.65	30.00	33.00	32.85	26.00	N.A	2.16	
	87833-3220	N.A	N.A	2	YES	N.A	YES	YES								
	87833-3221	N.A	N.A	3												
34	87833-3419	N.A	N.A	1					36.65	32.00	35.00	34.85	28.00	N.A	2.16	
	87833-3420	N.A	N.A	2	YES	N.A	YES	YES								
	87833-3421	N.A	N.A	3	YES	N.A	YES	YES								3.18
	87833-5420	N.A	N.A	2	YES	N.A	YES	YES								
	87833-3424	N.A	N.A	2	N.A	N.A	YES	YES								
36	87833-3619	N.A	N.A	1					38.65	34.00	37.00	36.85	30.00	N.A	2.16	
	87833-3620	N.A	N.A	2	YES	N.A	YES	YES								
	87833-3621	N.A	N.A	3												
38	87833-3819	N.A	N.A	1					40.65	36.00	39.00	38.85	32.00	N.A	2.16	
	87833-3820	N.A	N.A	2	YES	N.A	YES	YES								
	87833-3821	N.A	N.A	3												



PLATING OPTIONS:

- 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
- 2 - 0.38um/15uin 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 1246	2016/07/28
EC NO: S2017-0022	2016/07/27
DRAWN BY: CHYK-SCHONG	2016/07/27
CHKD BY: KHLIM	2016/07/28
APPR: KHLIM	
REV: A2	

QUALITY SYMBOLS	DESCRIPTION
$\nabla=0$	
$\nabla=0$	
$\nabla=0$	

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
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
G MENARLY	2015/09/29
CHECKED BY	DATE
C GOH	2015/10/30
APPROVED BY	DATE
KHLIM	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. 8 OF 9
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

ib_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

40 TO 50 CIRCUITS

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											
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	N.A	N.A	YES	YES							
	87833-4425	N.A	N.A	3											
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											
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											

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: MENARLY 2016/07/17 CHKD: SCHEONG 2016/07/27 APPR: KHLIM 2016/07/28 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla=0$ $\nabla=0$ $\nabla=0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- ANGULAR ± 3°	MM ONLY	NTS	METRIC	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY DATE GMENARLY 2015/09/29 CHECKED BY DATE CGOH 2015/10/30 APPROVED BY DATE KHLIM 2015/11/03	TITLE	MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER	
	A2		MATERIAL NO. SEE TABLE 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		

10 9 8 7 6 5 4 3 2 1