

## Excellent Integrated System Limited

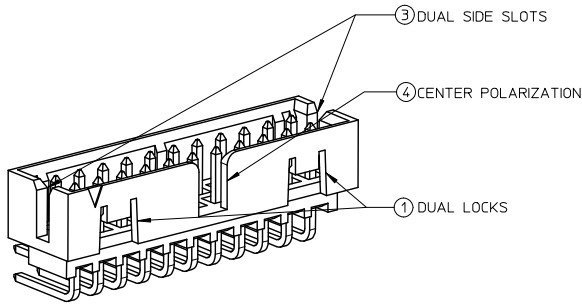
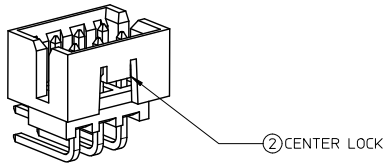
Stocking Distributor

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

[Molex Connector Corporation](#)  
[0878330661](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

FEATURES SELECTION GUIDE



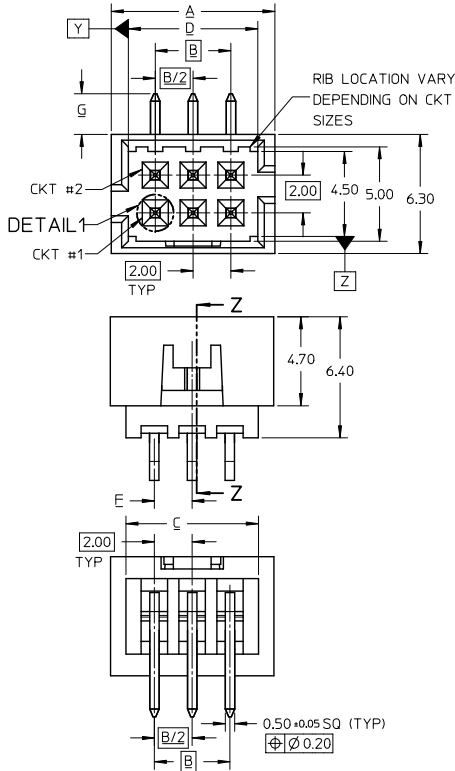
CIRCUIT SIZE	FEATURES				
	FRICTION LOCKS		3 DUAL SIDE SLOTS	4 CENTER POLARIZATION	SHEET NO
	1 DUAL	2 CENTER			
4 - 6	N.A	N.A	YES	N.A	2 - 3
	N.A	YES	YES	N.A	
8 TO 12	N.A	N.A	YES	YES	4 - 5
	N.A	YES	YES	N.A	
14 TO 50	YES	N.A	YES	YES	6 - 9
	N.A	N.A	YES	YES	

PACKAGING SPECIFICATION TABLE

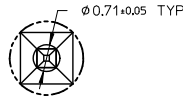
TAPE AND REEL PACKAGING	PK-87831-300
TUBE STANDARD PACKAGING	PK-87831-001
TUBE NON-STANDARD PACKAGING FOR: 87833-0861 87833-1420	PK-87831-002

<b>ADD PK TABLE</b> EC NO: S2017-0022 DRAWN BY: GMENARLY 2016/07/12 CHECKED BY: CHYKD-SICHEONG 2016/07/27 APPR: KHLIM 2016/07/28 REV: A2	QUALITY SYMBOLS ∇=0 ∇=0 ∇=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> ANGULAR ± 3° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	±0.20	±---	1 PLACE	±---	±---	0 PLACE	±---	±---	DIMENSION STYLE MM ONLY DRAWN BY: GMENARLY 2015/09/29 CHECKED BY: CGOH 2015/10/30 APPROVED BY: 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 <b>molex</b> DOCUMENT NO. SD-87833-0001 SHEET NO. 1 OF 9
		mm	INCH																				
	4 PLACES	±---	±---																				
	3 PLACES	±---	±---																				
2 PLACES	±0.20	±---																					
1 PLACE	±---	±---																					
0 PLACE	±---	±---																					
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																							
ADDITIONAL INFORMATION AND NOTES																							

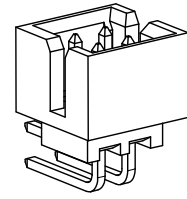
10 9 8 7 6 5 4 3 2 1



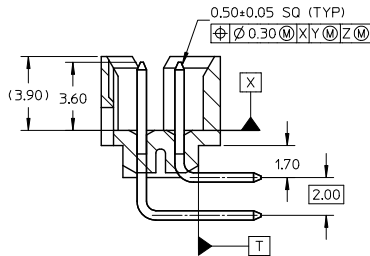
4 TO 6 CIRCUITS



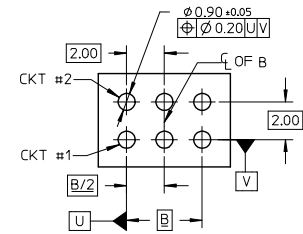
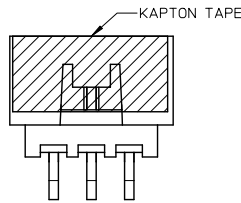
DETAIL 1



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	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION																															
	$\nabla=0$ $\nabla=0$ $\nabla=0$	<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	± ---	± ---	<table border="1"> <thead> <tr> <th>DRAWN BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>GMENARLY</td> <td>2015/09/29</td> </tr> <tr> <th>CHECKED BY</th> <th>DATE</th> </tr> <tr> <td>CGOH</td> <td>2015/10/30</td> </tr> <tr> <th>APPROVED BY</th> <th>DATE</th> </tr> <tr> <td>KHL IM</td> <td>2015/11/03</td> </tr> </tbody> </table>	DRAWN BY	DATE	GMENARLY	2015/09/29	CHECKED BY	DATE	CGOH	2015/10/30	APPROVED BY	DATE	KHL IM	2015/11/03	MM ONLY	NTS	METRIC	
		mm	INCH																																		
	4 PLACES	± ---	± ---																																		
3 PLACES	± ---	± ---																																			
2 PLACES	± 0.20	± ---																																			
1 PLACE	± ---	± ---																																			
0 PLACE	± ---	± ---																																			
DRAWN BY	DATE																																				
GMENARLY	2015/09/29																																				
CHECKED BY	DATE																																				
CGOH	2015/10/30																																				
APPROVED BY	DATE																																				
KHL IM	2015/11/03																																				
	ANGULAR ± 3°	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-87833-0001	TITLE MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER 																																
			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			SHEET NO. 2 OF 9																														

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:

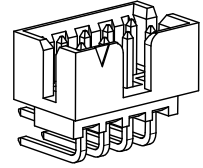
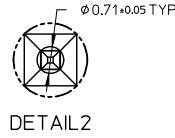
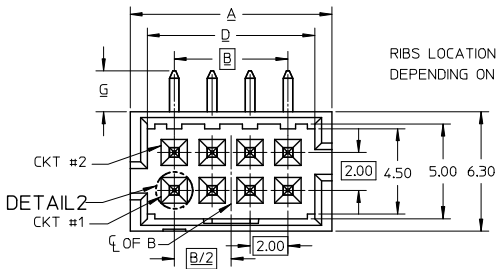
- 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
- 2 - 0.38um/15uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
- 3 - 0.76um/30uin MIN. GOLD 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 $\nabla=0$ $\nabla=0$ $\nabla=0$	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 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 <b>molex</b> DOCUMENT NO. SD-87833-0001 SHEET NO. 3 OF 9
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

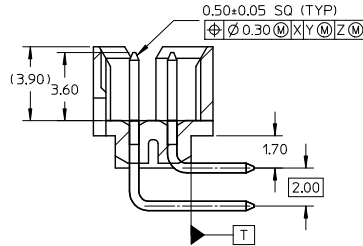
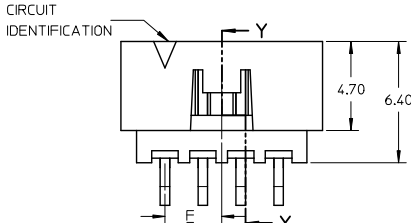
10 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

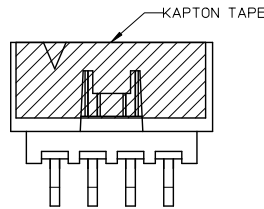
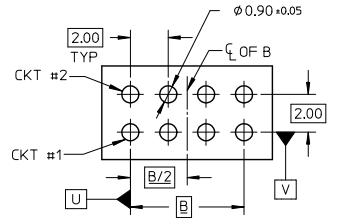
8 TO 12 CIRCUITS



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: GEMARLY 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	
	DRAFT WHERE APPLICABLE	MATERIAL NO.	SEE TABLE	TITLE		
	WITHIN DIMENSIONS	SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER <b>molex</b> DOCUMENT NO. 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						
	87833-0820	N.A	N.A	2	N.A	N.A	YES	YES								N.A	2.16
	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	N.A	YES	YES	N.A	10.65	6.00	9.00	8.85	N.A		3.00	2.16	
	87833-0832	N.A	N.A	3													
	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													
10	87832-1019	N.A	N.A	1													
	87833-1020	N.A	N.A	2	N.A	N.A	YES	YES								N.A	2.16
	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													
12	87833-1219	N.A	N.A	1													
	87833-1220	N.A	N.A	2	N.A	N.A	YES	YES								N.A	2.16
	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	N.A	YES	YES	N.A	14.65	10.00	13.00	12.85	N.A		5.00	2.16	
	87833-1232	N.A	N.A	3													
	87833-1224	N.A	N.A	2	N.A	N.A	YES	YES							N.A	2.92	
	87833-1225	N.A	N.A	3													

PLATING OPTIONS:

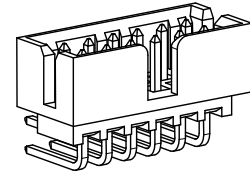
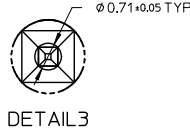
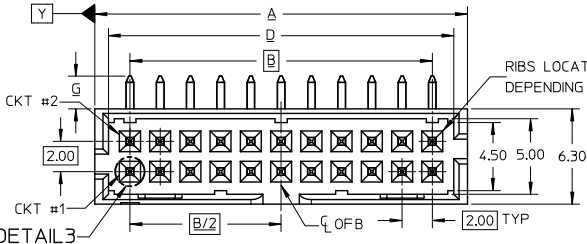
- 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
- 0.38um/15uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
- 0.76um/30uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.

SEE SHEET 12.4.6 IEC NO: S2017-0022 DRAWN BY: GMENARLY 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	
	$\nabla=0$	4 PLACES ± --- ± ---	MM ONLY	NTS	METRIC		
	$\nabla=0$	3 PLACES ± --- ± ---	DRAWN BY: GMENARLY DATE: 2015/09/29	TITLE: MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER			
	$\nabla=0$	2 PLACES ± 0.20 ± ---	CHECKED BY: CGOH DATE: 2015/10/30				
	1 PLACE ± --- ± ---	APPROVED BY: KHLIM DATE: 2015/11/03					
		0 PLACE ± --- ± ---	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-87833-0001	SHEET NO. 5 OF 9		
		ANGULAR ± 3°	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					

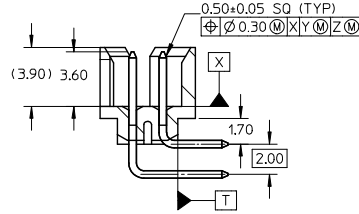
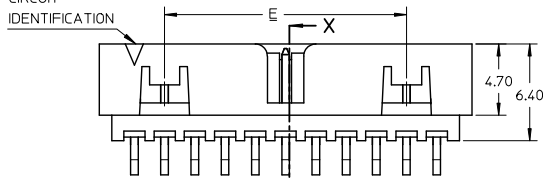
tb\_frame\_A3\_P\_AM\_T Rev. G 2012/01/11 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

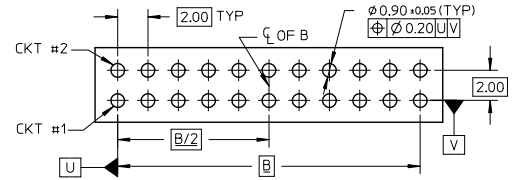
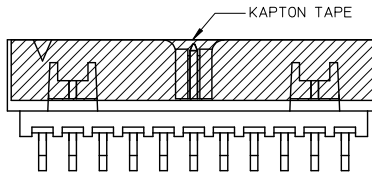
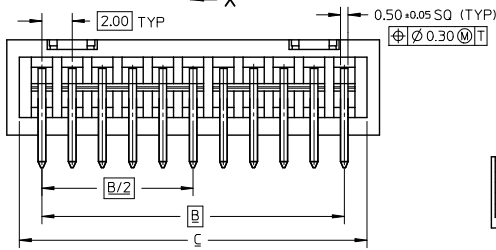
14 TO 50 CIRCUITS



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: S2017-0022 DRAWN BY: GMENARLY 2016/07/27 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			
			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						
	1 PLACE	± ---	± ---	CGOH	2015/10/30						
	0 PLACE	± ---	± ---	APPROVED BY	DATE						
				KHLIM	2015/11/03						
		ANGULAR ± 3°		MATERIAL NO.	DOCUMENT NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE							
				SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
				A3							

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	YES	N.A	YES	YES	16.65	12.00	15.00	14.85	8.00	N.A	2.16
	87833-1420	N.A	N.A	2											
	87833-1421	N.A	N.A	3											
	87833-5320	N.A	N.A	2											
	87833-5321	N.A	N.A	3											
16	87833-1436	N.A	N.A	3	YES	N.A	YES	YES	18.65	14.00	17.00	16.85	10.00	N.A	3.50
	87833-1619	N.A	N.A	1											
	87833-1620	N.A	N.A	2											
	87833-1621	N.A	N.A	3											
18	87833-6120	N.A	87833-7120	2	YES	N.A	YES	YES	20.65	16.00	19.00	18.85	12.00	N.A	2.16
	87833-1819	N.A	N.A	1											
	87833-1820	N.A	N.A	2											
	87833-1821	N.A	N.A	3											
20	87833-6220	N.A	N.A	2	YES	N.A	YES	YES	22.65	18.00	21.00	20.85	14.00	N.A	3.18
	87833-2019	N.A	N.A	1											
	87833-2020	N.A	87833-7220	2											
	87833-2021	N.A	N.A	3											
	87833-6520	N.A	N.A	2											
22	87833-6521	N.A	N.A	3	YES	N.A	YES	YES	24.65	20.00	23.00	22.85	16.00	N.A	3.50
	87833-2036	N.A	N.A	3											
	87833-2219	N.A	N.A	1											
24	87833-2220	N.A	N.A	2	YES	N.A	YES	YES	26.65	22.00	25.00	24.85	18.00	N.A	2.16
	87833-2221	N.A	N.A	3											
	87833-2419	N.A	N.A	1											
	87833-2420	N.A	87833-7020	2											
	87833-2421	N.A	N.A	3											
24	87833-2436	N.A	N.A	3	YES	N.A	YES	YES	26.65	22.00	25.00	24.85	18.00	N.A	3.50
	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	
	√=0	4 PLACES ± --- ± ---	MM ONLY	NTS	METRIC	☉	
	√=0	3 PLACES ± --- ± ---	DRAWN BY DATE	TITLE			
	√=0	2 PLACES ± 0.20 ± ---	GMENARLY 2015/09/29	MILLIGRID			
	√=0	1 PLACE ± --- ± ---	CHECKED BY DATE	2MM PITCH, SMT			
	0 PLACE ± --- ± ---	CGOH 2015/10/30	R/A SHROUDED HEADER				
	ANGULAR ± 3°	APPROVED BY DATE	<b>molex</b>				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	KHLIM 2015/11/03	MATERIAL NO. SEE TABLE				
			DOCUMENT NO. SD-87833-0001				
			SHEET NO. 7 OF 9				
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

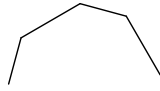
9 8 7 6 5 4 3 2 1



10 9 8 7 6 5 4 3 2 1

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	YES	N.A	YES	YES								
	87833-2621	N.A	N.A	3												
	87833-2636	N.A	N.A	3	YES	N.A	YES	YES								3.50
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	YES	N.A	YES	YES								
	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					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								
	87833-6720	N.A	N.A	2	YES	N.A	YES	YES								3.18
	87833-6721	N.A	N.A	3	YES	N.A	YES	YES								3.50
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												
	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
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 12.4.6 IEC NO. S2017-0022 DRAWING NO. 2016/07/27 CHYK:SCHEONG APPR:KHLIN REV A2	QUALITY SYMBOLS √=0 √=0 √=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.20 ± ---	1 PLACE ± --- ± ---	0 PLACE ± --- ± ---	DRAWN BY GMENARLY	DATE 2015/09/29	TITLE MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER
		ANGULAR ± 3°		DRAFT WHERE APPLICABLE		MATERIAL NO. SEE TABLE		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							

10 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 87833-4020 87833-4021			N.A. N.A. N.A.	N.A. N.A. N.A.	1 2 3	YES	N.A.	YES	YES
42	87833-4219 87833-4220 87833-4221	N.A. N.A. N.A.	N.A. N.A. N.A.	1 2 3	YES	N.A.	YES	YES	44.65	40.00	43.00	42.85	36.00	N.A.	2.16
44	87833-4419 87833-4420 87833-4421 87833-4424 87833-4425	N.A. N.A. N.A. N.A. N.A.	N.A. N.A. N.A. N.A. N.A.	1 2 3 2 3	YES N.A.	N.A.	YES YES	YES YES	46.65	42.00	45.00	44.85	38.00	N.A.	2.16 2.92
46	87833-4619 87833-4620 87833-4621	N.A. N.A. N.A.	N.A. N.A. N.A.	1 2 3	YES	N.A.	YES	YES	48.65	44.00	47.00	46.85	40.00	N.A.	2.16
48	87833-4819 87833-4820 87833-4821	N.A. N.A. N.A.	N.A. N.A. N.A.	1 2 3	YES	N.A.	YES	YES	50.65	46.00	49.00	48.85	42.00	N.A.	2.16
50	87833-5019 87833-5020 87833-5021	N.A. N.A. N.A.	N.A. N.A. N.A.	1 2 3	YES	N.A.	YES	YES	52.65	48.00	51.00	50.85	44.00	N.A.	0.15

**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.

<p>SEE SHEET 1.2.4.6</p> <p>EC NO: S2017-0022</p> <p>DRWNG:EMEARLY 2016/07/17</p> <p>CHKD:SCHEONG 2016/07/27</p> <p>APPR:KHLIM 2016/07/28</p>	<p>QUALITY SYMBOLS</p> <p>∇=0</p> <p>∇=0</p> <p>∇=0</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	
				MM ONLY		NTS	METRIC	
				DRAWN BY DATE		TITLE		
				CHECKED BY DATE		MATERIAL NO.		
		APPROVED BY DATE		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87833-0001		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