

Excellent Integrated System Limited

Stocking Distributor

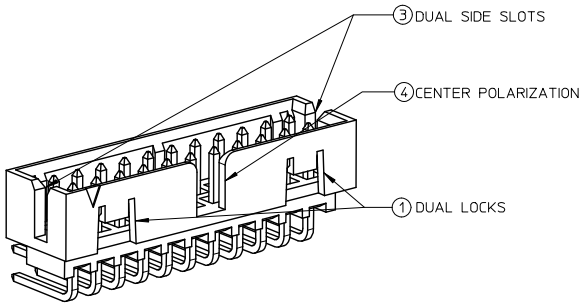
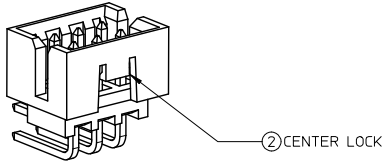
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[0878335320](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

FEATURES SELECTION GUIDE



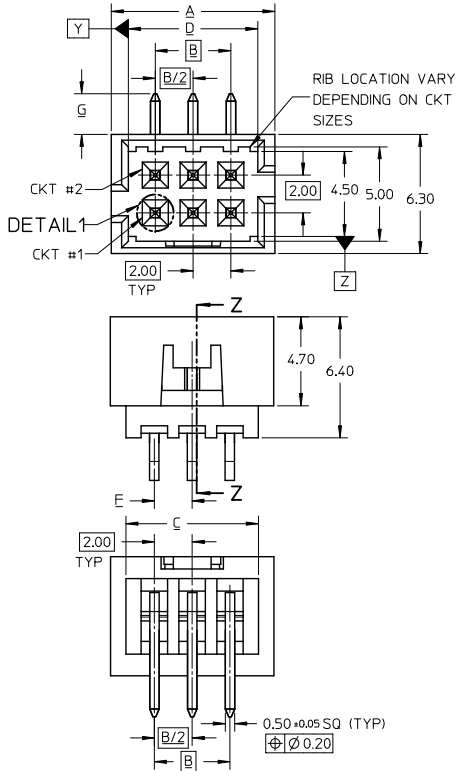
CIRCUIT SIZE	FEATURES				
	FRICTION LOCKS		③ DUAL SIDE SLOTS	④ CENTER POLARIZATION	SHEET NO
	① DUAL	② CENTER			
4 - 6	N.A	N.A	YES	N.A	2 - 3
	N.A	YES	YES	N.A	
8 TO 12	N.A	N.A	YES	YES	4 - 5
	N.A	YES	YES	N.A	
14 TO 50	YES	N.A	YES	YES	6 - 9
	N.A	N.A	YES	YES	

PACKAGING SPECIFICATION TABLE

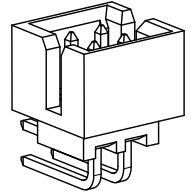
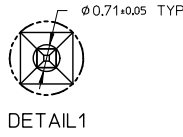
TAPE AND REEL PACKAGING	PK-87831-300
TUBE STANDARD PACKAGING	PK-87831-001
TUBE NON-STANDARD PACKAGING FOR: 87833-0861 87833-1420	PK-87831-002

ADD PK TABLE EC NO: S2017-0022 DRAWN BY: GMENARLY 2016/07/12 CHECKED BY: CHYK-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	SCALE: NTS DESIGN UNITS: METRIC THIRD ANGLE PROJECTION	TITLE: MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex	MATERIAL NO. SEE TABLE	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																										
SIZE: A3																										
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																										

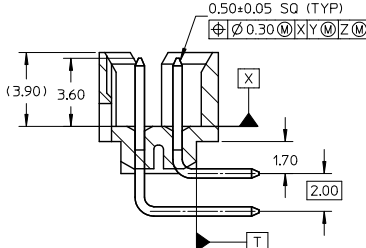
10 9 8 7 6 5 4 3 2 1



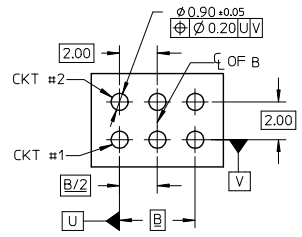
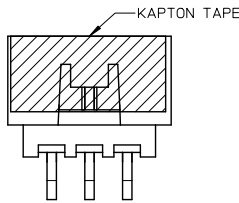
4 TO 6 CIRCUITS



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 √=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex DOCUMENT NO. SD-87833-0001 SHEET NO. 2 OF 9	
			mm	INCH	DRAWN BY	DATE	NTS		METRIC
		4 PLACES ±---	±---	GMENARLY	2015/09/29	TITLE			
		3 PLACES ±---	±---	CHECKED BY	DATE				
		2 PLACES ±0.20	±---	CGOH	2015/10/30				
		1 PLACE ±---	±---	APPROVED BY	DATE				
		0 PLACE ±---	±---	KHL IM	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			

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					6.65	2.00	5.00	4.85	N.A	N.A	2.16
	87833-0420	N.A	N.A	2	N.A	N.A	YES	N.A							
	87833-0421	N.A	N.A	3											
	87833-5920	N.A	N.A	2	N.A	N.A	YES	N.A							
	87833-0431	87833-0441	87833-0451	2											
	87833-0432	N.A	N.A	3	N.A	YES	YES	N.A							
6	87833-0619	N.A	N.A	1					8.65	4.00	7.00	6.85	N.A	N.A	2.16
	87833-0620	N.A	N.A	2	N.A	N.A	YES	N.A							
	87833-0621	N.A	N.A	3											
	87833-6420	N.A	N.A	2	N.A	N.A	YES	N.A							
	87833-0631	87833-0641	87833-0651	2											
	87833-0632	N.A	N.A	3	N.A	YES	YES	N.A							
	87833-0661	N.A	N.A	2	N.A	YES	YES	N.A							
	87833-0624	N.A	N.A	2											
	87833-0625	N.A	N.A	3	N.A	N.A	YES	N.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: 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																		
	$\nabla=0$ $\nabla=0$ $\nabla=0$	<table border="1"> <tr><th colspan="2">mm</th><th>INCH</th></tr> <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> </table>	mm		INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	±0.20	±---	1 PLACE	±---	±---	0 PLACE	±---	±---	MM ONLY	NTS	METRIC	
	mm		INCH																					
	4 PLACES	±---	±---																					
3 PLACES	±---	±---																						
2 PLACES	±0.20	±---																						
1 PLACE	±---	±---																						
0 PLACE	±---	±---																						
DRAWN BY: GMENARLY 2015/09/29 CHECKED BY: CGOH 2015/10/30 APPROVED BY: KHLIM 2015/11/03	MATERIAL NO. SEE TABLE DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	TITLE: MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex DOCUMENT NO. SD-87833-0001	SHEET NO. 3 OF 9																					
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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													
	87833-0825	N.A	N.A	3																	
	87832-1019	N.A	N.A	1																	
	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																	
	87833-1032	N.A	N.A	3	N.A	YES	YES	N.A													
	N.A	87833-1041	87833-1051	2	N.A	YES	YES	N.A	12.65	8.00	11.00	10.85	N.A							4.00	2.16
	87833-1024	N.A	N.A	2	N.A	N.A	YES	YES													
	87833-1025	N.A	N.A	3																	
	87833-1219	N.A	N.A	1																	
	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	14.65	10.00	13.00	12.85	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																	

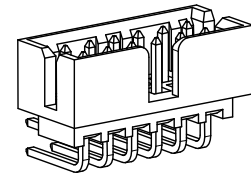
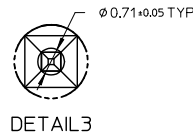
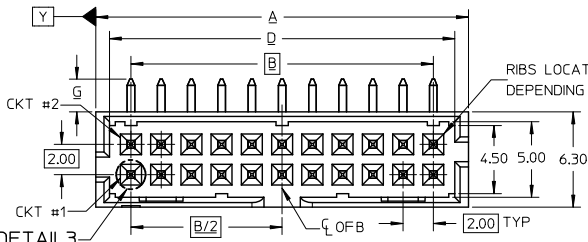
PLATING OPTIONS:
 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
 2 - 0.38um/15uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
 3 - 0.76um/30uin 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 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) 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: GEMENARLY DATE: 2015/09/29 CHECKED BY: CGOH DATE: 2015/10/30 APPROVED BY: KHLIM DATE: 2015/11/03	SCALE: NTS DESIGN UNITS: METRIC THIRD ANGLE PROJECTION	TITLE: MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER 	MATERIAL NO.: SEE TABLE DOCUMENT NO.: SD-87833-0001 SHEET NO.: 5 OF 9
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
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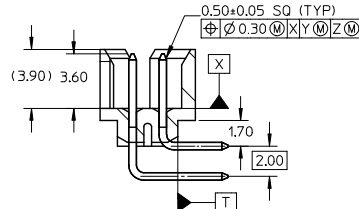
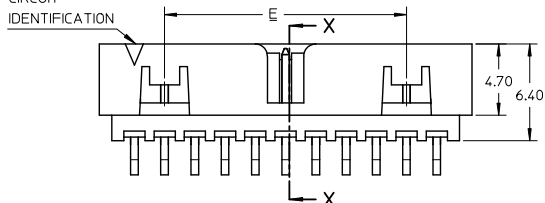
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10 9 8 7 6 5 4 3 2 1

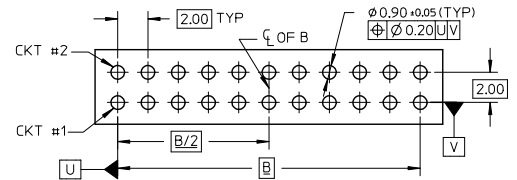
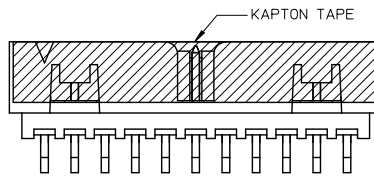
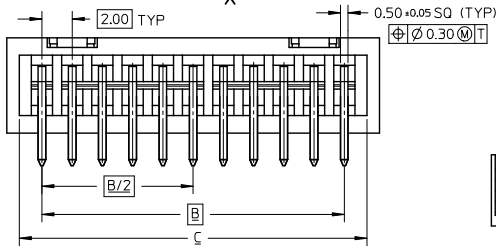
14 TO 50 CIRCUITS



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 $\nabla=0$ $\nabla=0$ $\nabla=0$	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					
	1 PLACE	±---	±---	CGOH	2015/10/30					
	0 PLACE	±---	±---	APPROVED BY	DATE	DOCUMENT NO.		SHEET NO.		
	ANGULAR ± 3°		SEE TABLE		SD-87833-0001		6 OF 9			
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								

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.

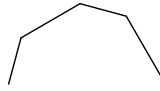
SEE SHEET 1.2.4.6 EC. NO. S2017-0022 DRAWN BY: DRINGHEARLY 2016/07/17 CHECKED BY: CHYK-SCHONG 2016/07/27 APPR: KILLIM 2016/07/28 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla=0$ $\nabla=0$ $\nabla=0$	4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- ANGULAR ± 3°	MM ONLY	NTS	METRIC	<input checked="" type="checkbox"/> THIRD ANGLE PROJECTION
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY: GMENARLY DATE: 2015/09/29 CHECKED BY: CGOH DATE: 2015/10/30 APPROVED BY: KHLIM DATE: 2015/11/03			TITLE: MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex MATERIAL NO. SEE TABLE DOCUMENT NO. SD-87833-0001
	A2		SIZE: A3			SHEET NO. 7 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

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								3.50
87833-3036	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												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								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 DRAWN BY: GEMENARLY 2016/07/27 CHECKED BY: CHYK-SCHONG 2016/07/27 APPR: KHLIM 2016/07/28 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 ±---	±---	DRAWN BY GEMENARLY	DATE 2015/09/29	TITLE MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER			
		3 PLACES ±---	±---	CHECKED BY CGOH	DATE 2015/10/30				
		2 PLACES ±0.20	±---	APPROVED BY KHLIM	DATE 2015/11/03				
ANGULAR ± 3°		DRAFT WHERE APPLICABLE WITHIN DIMENSIONS		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									

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 BY: GEMENARLY 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																		
	$\nabla=0$ $\nabla=0$ $\nabla=0$	<table border="1"> <tr><th colspan="2">mm</th><th>INCH</th></tr> <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> </table>	mm		INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.20	± ---	1 PLACE	± ---	± ---	0 PLACE	± ---	± ---	MM ONLY	NTS	METRIC	
	mm		INCH																					
	4 PLACES	± ---	± ---																					
3 PLACES	± ---	± ---																						
2 PLACES	± 0.20	± ---																						
1 PLACE	± ---	± ---																						
0 PLACE	± ---	± ---																						
	ANGULAR ± 3°																							
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		DOCUMENT NO. SD-87833-0001	SHEET NO. 9 OF 9																		

9 8 7 6 5 4 3 2 1