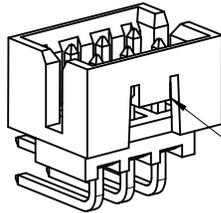
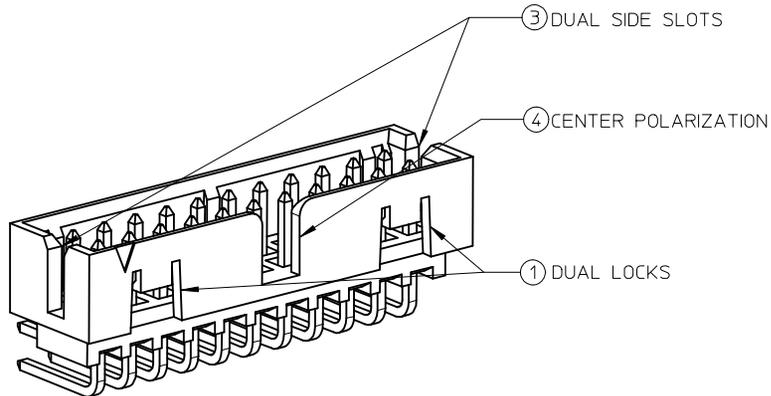


FEATURES SELECTION GUIDE



② CENTER LOCK



① DUAL LOCKS

③ DUAL SIDE SLOTS

④ CENTER POLARIZATION

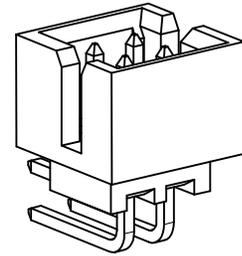
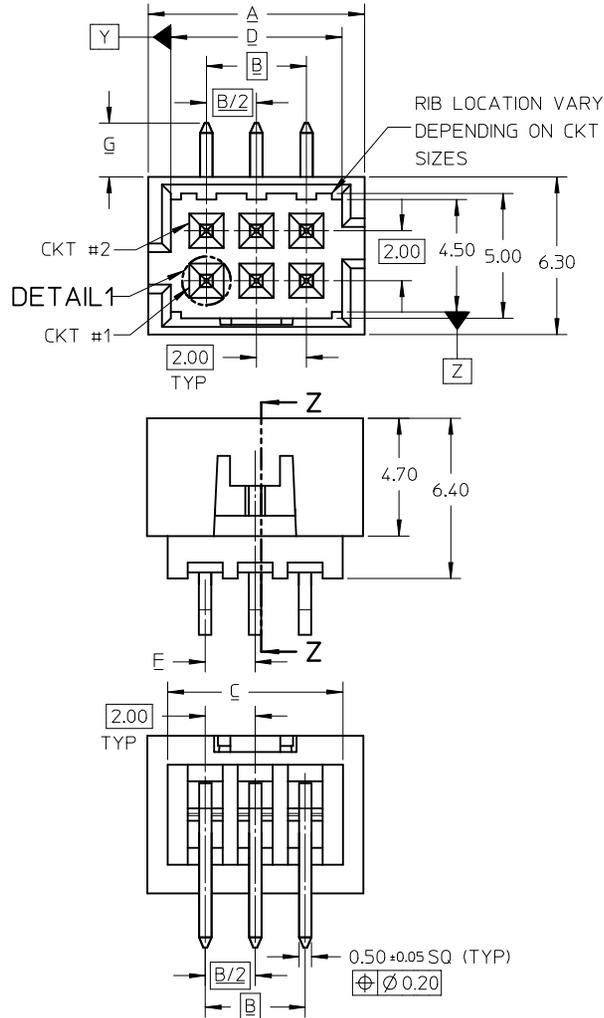
CIRCUIT SIZE	FEATURES				
	FRICTION LOCKS		③ DUAL SIDE SLOTS	④ CENTER POLARIZATION	SHEET NO
	① DUAL	② CENTER			
4 - 6	N.A	N.A	YES	N.A	2 - 3
	N.A	YES	YES	N.A	
8 TO 12	N.A	N.A	YES	YES	4 - 5
	N.A	YES	YES	N.A	
14 TO 50	YES	N.A	YES	YES	6 - 9
	N.A	N.A	YES	YES	

PACKAGING SPECIFICATION TABLE

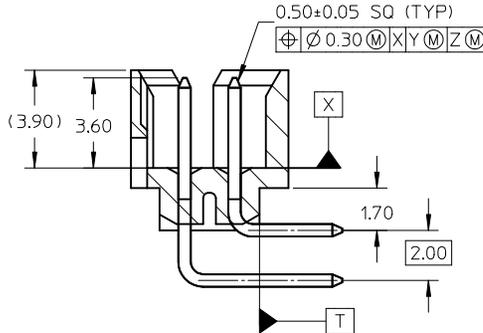
TAPE AND REEL PACKAGING	PK-87831-300
TUBE STANDARD PACKAGING	PK-87831-001
TUBE NON-STANDARD PACKAGING FOR: 87833-0861 87833-1420	PK-87831-002

UPDATE TITLE BLOCK EC NO: S2017-0095 DRAWN: GEMARLY 2016/08/03 CHK'D: SCHEONG 2016/08/16 APPR: KHLIM 2016/08/17 REV	QUALITY SYMBOLS $F_{\Delta} = 0$ $F_C = 0$ $F_P = 0$	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	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH																					
	4 PLACES	± ---	± ---																					
	3 PLACES	± ---	± ---																					
2 PLACES	± 0.20	± ---																						
1 PLACE	± ---	± ---																						
0 PLACE	± ---	± ---																						
		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 SHROUDED HEADER R/A, THROUGH HOLE																					
A3		ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-87833-0001	SHEET NO. 1 OF 9																			
			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				

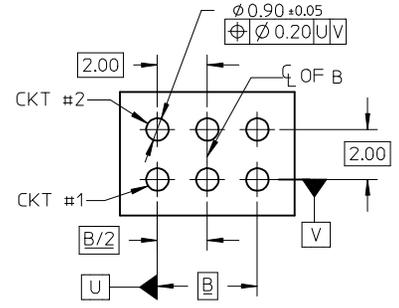
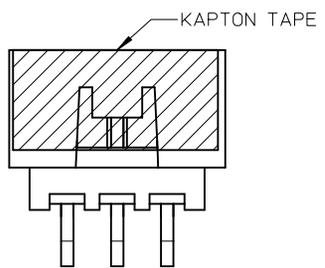
4 TO 6 CIRCUITS



ISO VIEW OF HEADER DUAL SIDE SLOTS



SECTION Z-Z



RECOMMENDED PCB LAYOUT

- 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, 6 CIRCUITS HEADER IS SHOWN

UPDATE TITLE BLOCK IEC NO: S2017-0095 DRWNG: GMENARLY 2016/08/03 CHYKD: SCHEONG 2016/08/16 APPR: KHLIM 2016/08/17	QUALITY SYMBOLS $\nabla_F = 0$ $\nabla_E = 0$ $\nabla_B = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	mm	INCH	DRAWN BY GMENARLY	DATE 2015/09/29	TITLE MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE			
		2 PLACES ± 0.20 ± ---	1 PLACE ± --- ± ---	0 PLACE ± --- ± ---	ANGULAR ± 3°	CHECKED BY CGOH	DATE 2015/10/30	DOCUMENT NO. SD-87833-0001			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		APPROVED BY KHLIM	DATE 2015/11/03	SHEET NO. 2 OF 9		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

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						
						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												
	87833-0421	N.A	N.A	3	N.A	N.A	YES	N.A						N.A	1.00	2.16
	87833-5920	N.A	N.A	2												
	87833-0431	87833-0441	87833-0451	2	N.A	YES	YES	N.A						1.00	3.18	
	87833-0432	N.A	N.A	3												
87833-0461	N.A	N.A	2	N.A	YES	YES	N.A	1.00	3.18							
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												
	87833-0621	N.A	N.A	3	N.A	N.A	YES	N.A						N.A	3.18	
	87833-6420	N.A	N.A	2												
	87833-0631	87833-0641	87833-0651	2	N.A	YES	YES	N.A						2.00	2.16	
	87833-0632	N.A	N.A	3												
	87833-0661	N.A	N.A	2	N.A	YES	YES	N.A						2.00	3.18	
	87833-0624	N.A	N.A	2												
87833-0625	N.A	N.A	3	N.A	N.A	YES	N.A	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.

UPDATE TITLE BLOCK EC NO: S2017-0095 DRWNG:GMENARLY 2016/08/03 CHKD:SCHEONG 2016/08/16 APPR:KHLIM 2016/08/17	DESCRIPTION QUALITY SYMBOLS $F_A=0$ $F_G=0$ $F_P=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				MM ONLY	NTS	METRIC			
				mm	INCH	DRAWN BY	DATE	TITLE	
						CHECKED BY	DATE		
				APPROVED BY	DATE				
				MATERIAL NO.	DOCUMENT NO.				
				SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

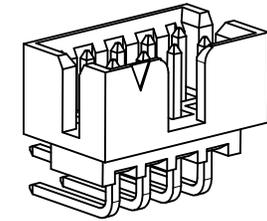
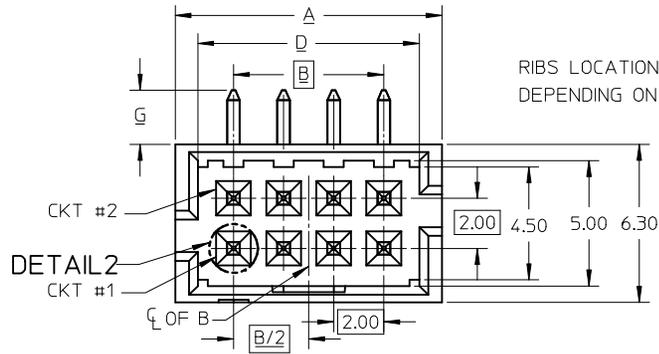
MILLIGRID, 2MM PITCH
SHROUDED HEADER
R/A, THROUGH HOLE



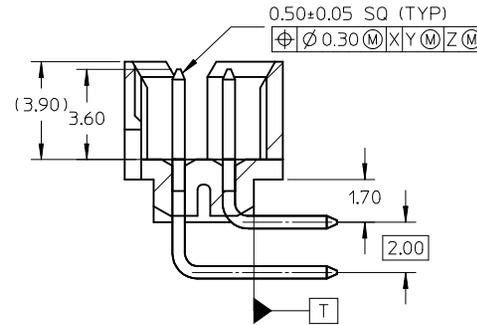
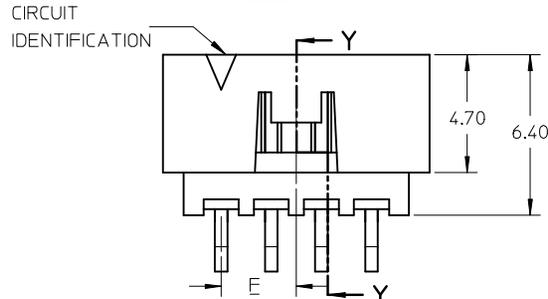
SD-87833-0001

SHEET NO.
3 OF 9

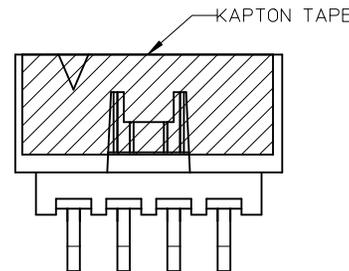
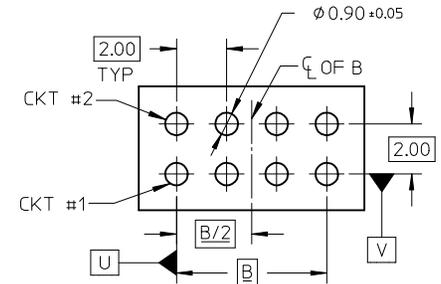
8 TO 12 CIRCUITS



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: 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, 8 CIRCUIT HEADER IS SHOWN

UPDATE TITLE BLOCK EC NO: S2017-0095 DRWN:GMENARLY 2016/08/03 CHKD:SCHEONG 2016/08/16 APPR:KHLIM 2016/08/17	QUALITY SYMBOLS $\nabla_A=0$ $\nabla_E=0$ $\nabla_P=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		mm	INCH	MM ONLY	NTS	METRIC		
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		3 PLACES	$\pm \text{---}$	$\pm \text{---}$	GMENARLY	2015/09/29	MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE	
		2 PLACES	± 0.20	$\pm \text{---}$	CHECKED BY	DATE		
		1 PLACE	$\pm \text{---}$	$\pm \text{---}$	CGOH	2015/10/30		
		0 PLACE	$\pm \text{---}$	$\pm \text{---}$	APPROVED BY	DATE		
					KHLIM	2015/11/03		
		ANGULAR $\pm 3^\circ$		MATERIAL NO.	DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87833-0001	4 OF 9	
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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							
10	87833-0824	N.A	N.A	2	N.A	N.A	YES	YES	12.65	8.00	11.00	10.85	N.A	4.00	2.16
	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	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							
12	87833-1024	N.A	N.A	2	N.A	N.A	YES	YES	14.65	10.00	13.00	12.85	N.A	5.00	2.16
	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							
	87833-1232	N.A	N.A	3											
87833-1224	N.A	N.A	2	N.A	N.A	YES	YES	14.65	10.00	13.00	12.85	N.A	N.A	2.92	
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.

UPDATE TITLE BLOCK
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 DRWNG: GEMEARLY 2016/08/03
 CHK'D: SCHEONG 2016/08/16
 APPR: KHL IM 2016/08/17

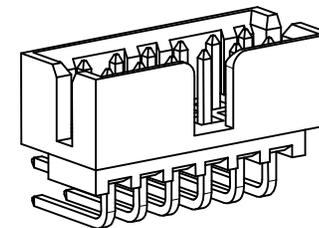
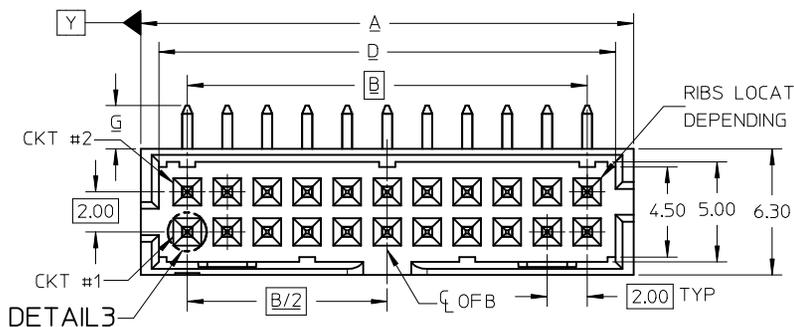
QUALITY SYMBOLS
 $\nabla_A = 0$
 $\nabla_C = 0$
 $\nabla_B = 0$

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

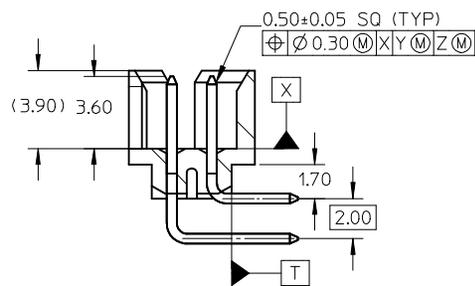
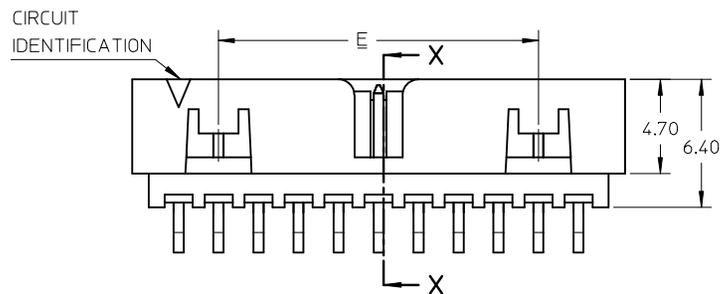
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 MM ONLY
 DRAWN BY: GMEARLY
 CHECKED BY: CGOH
 APPROVED BY: KHL IM
 DATE: 2015/09/29
 DATE: 2015/10/30
 DATE: 2015/11/03

SCALE: NTS
 DESIGN UNITS: METRIC
 THIRD ANGLE PROJECTION
 TITLE: MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE
molex
 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

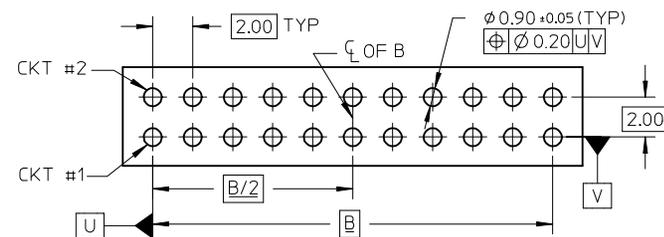
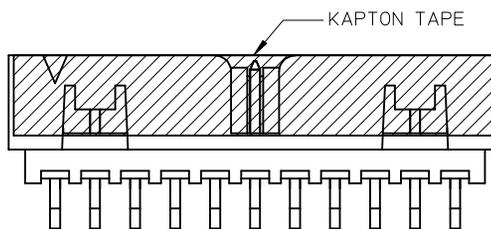
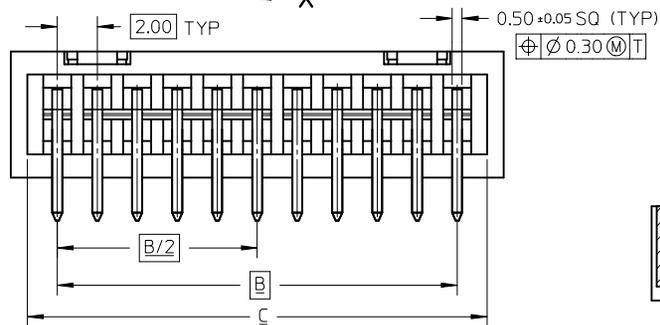
14 TO 50 CIRCUITS



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

UPDATE TITLE BLOCK EC NO: S2017-0095 DRWN:GMENARLY 2016/08/03 CHKD:SCHEONG 2016/08/16 APPR:KHL IM 2016/08/17	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION														
		$\nabla_A = 0$ $\nabla_C = 0$ $\nabla_F = 0$	<table border="1"> <tr><th>mm</th><th>INCH</th></tr> <tr><td>4 PLACES ± ---</td><td>± ---</td></tr> <tr><td>3 PLACES ± ---</td><td>± ---</td></tr> <tr><td>2 PLACES ± 0.20</td><td>± ---</td></tr> <tr><td>1 PLACE ± ---</td><td>± ---</td></tr> <tr><td>0 PLACE ± ---</td><td>± ---</td></tr> </table>	mm	INCH	4 PLACES ± ---	± ---	3 PLACES ± ---	± ---	2 PLACES ± 0.20	± ---	1 PLACE ± ---	± ---	0 PLACE ± ---	± ---	MM ONLY		NTS	METRIC	DRAWN BY: GMENARLY DATE: 2015/09/29		TITLE: MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE	
				mm	INCH																		
				4 PLACES ± ---	± ---																		
3 PLACES ± ---	± ---																						
2 PLACES ± 0.20	± ---																						
1 PLACE ± ---	± ---																						
0 PLACE ± ---	± ---																						
ANGULAR ± 3°		SEE TABLE		APPROVED BY: KHL IM DATE: 2015/11/03		MATERIAL NO.		DOCUMENT NO. SD-87833-0001															
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		SIZE: A3		SHEET NO. 6 OF 9		molex															

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.

UPDATE TITLE BLOCK
 EC NO: S2017-0095
 DRWING: GEMARLY 2016/08/03
 CHKD: SCHEONG 2016/08/16
 APPR: KHL IM 2016/08/17

QUALITY SYMBOLS
 $F_A=0$
 $F_G=0$
 $F_P=0$

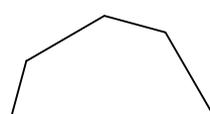
GENERAL TOLERANCES (UNLESS SPECIFIED)
 mm INCH
 4 PLACES ± --- ± ---
 3 PLACES ± --- ± ---
 2 PLACES ± 0.20 ± ---
 1 PLACE ± --- ± ---
 0 PLACE ± --- ± ---
 ANGULAR ± 3 °
 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
 DRAWN BY: GEMARLY
 CHECKED BY: CGOH
 APPROVED BY: KHL IM
 MATERIAL NO.
SEE TABLE

SCALE: NTS
 DESIGN UNITS: METRIC
 THIRD ANGLE PROJECTION
 TITLE: MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE
molex
 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

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											
	87833-2620	N.A	N.A	2											
	87833-2621	N.A	N.A	3	YES	N.A	YES	YES	28.65	24.00	27.00	26.85	20.00	N.A	2.16
	87833-2636	N.A	N.A	3	YES	N.A	YES	YES							3.50
28	87833-2819	N.A	N.A	1											
	87833-2820	N.A	N.A	2											
	87833-2821	N.A	N.A	3	YES	N.A	YES	YES	30.65	26.00	29.00	28.85	22.00	N.A	2.16
	87833-6620	N.A	N.A	2	YES	N.A	YES	YES							3.18
30	87832-3019	N.A	N.A	1											
	87833-3020	N.A	N.A	2											
	87833-3021	N.A	N.A	3	YES	N.A	YES	YES	32.65	28.00	31.00	30.85	24.00	N.A	2.16
	87833-6720	N.A	N.A	2											
	87833-6721	N.A	N.A	3	YES	N.A	YES	YES							3.18
	87833-3036	N.A	N.A	3	YES	N.A	YES	YES							3.50
32	87833-3219	N.A	N.A	1											
	87833-3220	N.A	N.A	2	YES	N.A	YES	YES	34.65	30.00	33.00	32.85	26.00	N.A	2.16
	87833-3221	N.A	N.A	3											
34	87833-3419	N.A	N.A	1											
	87833-3420	N.A	N.A	2											
	87833-3421	N.A	N.A	3	YES	N.A	YES	YES	36.65	32.00	35.00	34.85	28.00	N.A	2.16
	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											
	87833-3620	N.A	N.A	2	YES	N.A	YES	YES	38.65	34.00	37.00	36.85	30.00	N.A	2.16
	87833-3621	N.A	N.A	3											
38	87833-3819	N.A	N.A	1											
	87833-3820	N.A	N.A	2	YES	N.A	YES	YES	40.65	36.00	39.00	38.85	32.00	N.A	2.16
	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.

UPDATE TITLE BLOCK
 IEC NO: S2017-0095
 DRWN:GMENARLY 2016/08/03
 CH'KD:SCHEONG 2016/08/16
 APPR:KHL IM 2016/08/17

QUALITY SYMBOLS
 $F_A=0$
 $F_B=0$
 $F_C=0$

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 GMENARLY DATE 2015/09/29
 CHECKED BY CGOH DATE 2015/10/30
 APPROVED BY KHL IM DATE 2015/11/03
 MATERIAL NO. SEE TABLE

SCALE NTS
 DESIGN UNITS METRIC
 THIRD ANGLE PROJECTION
 TITLE MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE
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

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												
	87833-4020	N.A	N.A	2	YES	N.A	YES	YES	42.65	38.00	41.00	40.85	34.00	N.A	2.16	
	87833-4021	N.A	N.A	3												
42	87833-4219	N.A	N.A	1												
	87833-4220	N.A	N.A	2	YES	N.A	YES	YES	44.65	40.00	43.00	42.85	36.00	N.A	2.16	
	87833-4221	N.A	N.A	3												
44	87833-4419	N.A	N.A	1												
	87833-4420	N.A	N.A	2	YES	N.A	YES	YES	46.65	42.00	45.00	44.85	38.00	N.A	2.16	
	87833-4421	N.A	N.A	3												
	87833-4424	N.A	N.A	2	N.A	N.A	YES	YES								
	87832-4425	N.A	N.A	3												2.92
46	87833-4619	N.A	N.A	1												
	87833-4620	N.A	N.A	2	YES	N.A	YES	YES	48.65	44.00	47.00	46.85	40.00	N.A	2.16	
	87833-4621	N.A	N.A	3												
48	87833-4819	N.A	N.A	1												
	87833-4820	N.A	N.A	2	YES	N.A	YES	YES	50.65	46.00	49.00	48.85	42.00	N.A	2.16	
	87833-4821	N.A	N.A	3												
50	87833-5019	N.A	N.A	1												
	87833-5020	N.A	N.A	2	YES	N.A	YES	YES	52.65	48.00	51.00	50.85	44.00	N.A	0.15	
	87833-5021	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.

UPDATE TITLE BLOCK EC NO: S2017-0095 DRWN:GMENARLY 2016/08/03 CHK'D:SCHEONG 2016/08/16 APPR:KHL IM 2016/08/17	DESCRIPTION QUALITY SYMBOLS $\nabla_A=0$ $\nabla_G=0$ $\nabla_P=0$	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 SHROUDED HEADER R/A, THROUGH HOLE		
		APPROVED BY		DATE				
		MATERIAL NO.		DATE				DOCUMENT NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE	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				