

Excellent Integrated System Limited

Stocking Distributor

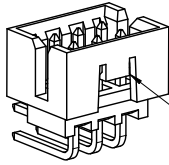
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[87833-2420](#)

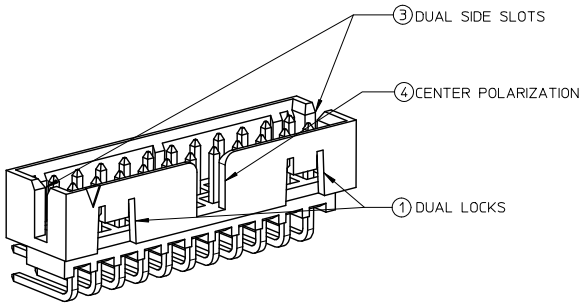
For any questions, you can email us directly:

sales@integrated-circuit.com

FEATURES SELECTION GUIDE



② CENTER LOCK



③ DUAL SIDE SLOTS

④ CENTER POLARIZATION

① DUAL LOCKS

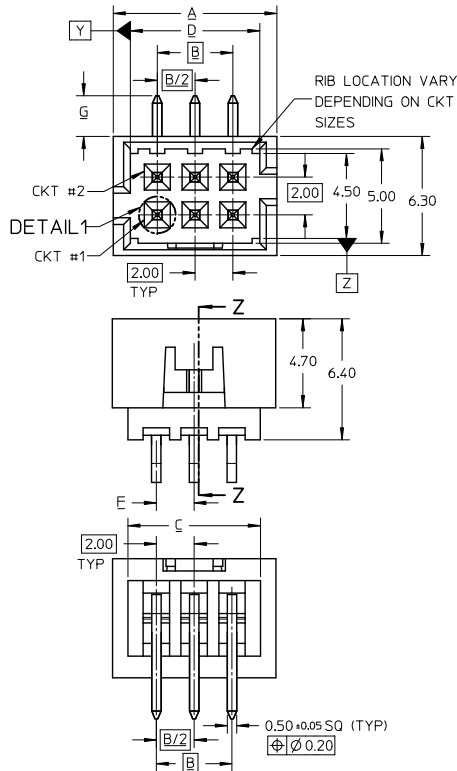
CIRCUIT SIZE	FEATURES				
	FRICTION LOCKS		③ DUAL SIDE SLOTS	④ CENTER POLARIZATION	SHEET NO
	① DUAL	② CENTER			
4 - 6	N.A	N.A	YES	N.A	2 - 3
	N.A	YES	YES	N.A	
8 TO 12	N.A	N.A	YES	YES	4 - 5
	N.A	YES	YES	N.A	
14 TO 50	YES	N.A	YES	YES	6 - 9
	N.A	N.A	YES	YES	

PACKAGING SPECIFICATION TABLE

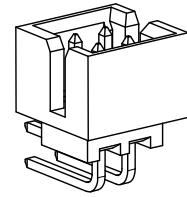
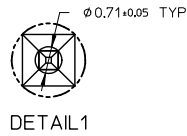
TAPE AND REEL PACKAGING	PK-87831-300
TUBE STANDARD PACKAGING	PK-87831-001
TUBE NON-STANDARD PACKAGING FOR: 87833-0861 87833-1420	PK-87831-002

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

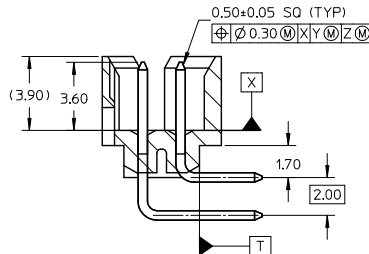
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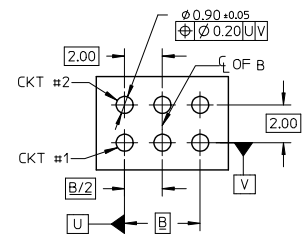
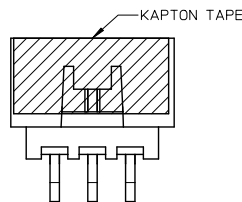
4 TO 6 CIRCUITS



ISO VIEW OF HEADER
DUAL SIDE SLOTS



SECTION Z-Z



RECOMMENDED PCB LAYOUT

NOTES:

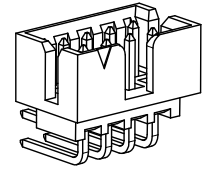
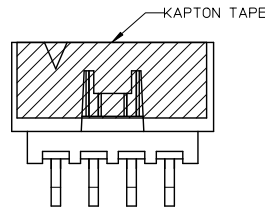
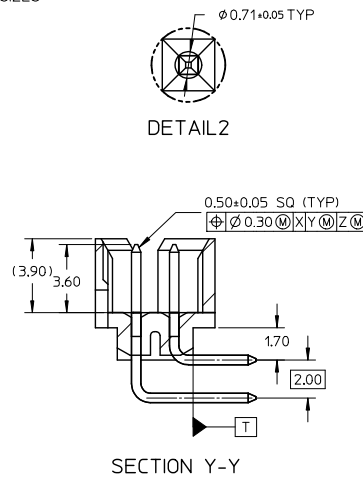
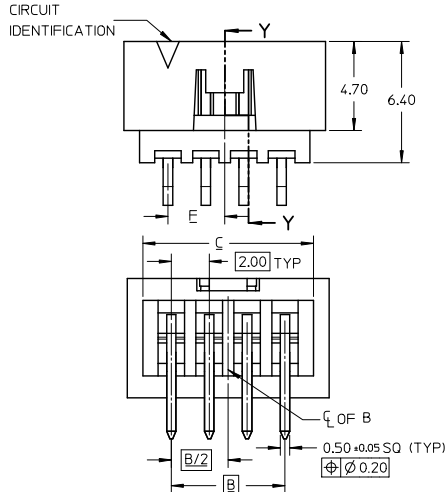
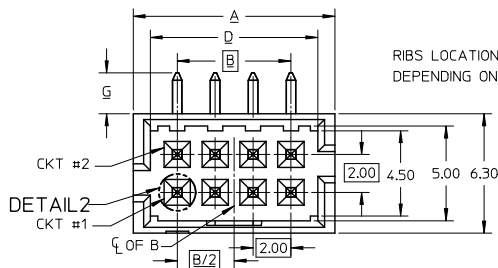
1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND CRIMP 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 CHKD:SCHEONG 2016/07/27 APPR:KHL IM 2016/07/28	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	
						MM ONLY		NTS	METRIC		
				mm	INCH	DRAWN BY	DATE	TITLE			
			 =0	4 PLACES	±---	±---	GMENARLY	2015/09/29	MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex		
			 =0	3 PLACES	±---	±---	CHECKED BY	DATE			
			 =0	2 PLACES	±0.20	±---	CGOH	2015/10/30			
			 =0	1 PLACE	±---	±---	APPROVED BY	DATE			
			 =0	0 PLACE	±---	±---	KHL IM	2015/11/03			
			ANGULAR ± 3 °			MATERIAL NO.		DOCUMENT NO.			SHEET NO.
			DRAFT WHERE APPLICABLE			SEE TABLE		SD-87833-0001			2 OF 9
MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
SIZE											

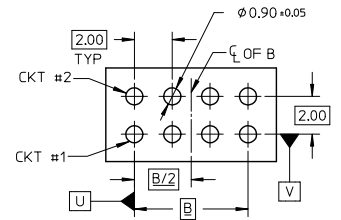
9 8 7 6 5 4 3 2 1

	10	9	8	7	6	5	4	3	2	1												
	4 TO 6 CIRCUITS																					
F	CKT SIZE	ASSY P/N WITHOUT KAPTON IN TUBE	ASSY P/N WITH KAPTON IN TUBE	ASSY P/N WITH KAPTON IN T&R	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	DIMENSION						F						
						DUAL	CENTER			A	B	C	D	E	F	G (SOLDER TAIL)						
	4	87833-0419	N.A	N.A	1	N.A	N.A	YES	N.A	6.65	2.00	5.00	4.85	N.A	N.A	2.16						
		87833-0420	N.A	N.A	2										N.A	3.18						
		87833-0421	N.A	N.A	3										N.A	2.16						
		87833-5920	N.A	N.A	2	N.A	1.00	3.18														
		87833-0431	87833-0441	87833-0451	2	N.A	YES	YES	N.A						1.00	3.18						
		87833-0432	N.A	N.A	3	N.A	YES	YES	N.A						1.00	3.18						
E		87833-0461	N.A	N.A	2	N.A	YES	YES	N.A								E					
	6	87833-0619	N.A	N.A	1	N.A	N.A	YES	N.A	8.65	4.00	7.00	6.85	N.A	N.A	2.16						
		87833-0620	N.A	N.A	2										N.A	3.18						
		87833-0621	N.A	N.A	3										N.A	2.16						
		87833-6420	N.A	N.A	2	N.A	YES	YES	N.A						2.00	3.18						
		87833-0631	87833-0641	87833-0651	2	N.A	YES	YES	N.A						2.00	3.18						
		87833-0632	N.A	N.A	3	N.A	YES	YES	N.A						N.A	2.92						
		87833-0661	N.A	N.A	2	N.A	YES	YES	N.A													
		87833-0624	N.A	N.A	2	N.A	N.A	YES	N.A													
		87833-0625	N.A	N.A	3																	
C																		C				
B																		B				
A	PLATING OPTIONS: 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 2 - 0.38um/15uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 3 - 0.76um/30uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.					SEE SHEET 1.2.4.6 EC NO: S2017-0022 DRWNGENARLY 2016/07/12 CHKD:SCHEONG 2016/07/27 APPR:KHLIM 2016/07/28 A2	QUALITY SYMBOLS √=0 √=0 √=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE GMENARLY 2015/09/29 CHECKED BY DATE CGOH 2015/10/30 APPROVED BY DATE KHLIM 2015/11/03 MATERIAL NO. SD-87833-0001	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex	DOCUMENT NO. SD-87833-0001	SHEET NO. 3 OF 9							
	1b_frame_A3_P_AM_T Rev. G 2012/01/11	9	8	7	6	5	4	3	2	1												

8 TO 12 CIRCUITS



ISO VIEW OF HEADER WITH CENTER POLARIZATION AND DUAL SIDE SLOTS



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

EDIT NOTE 4 EC NO: SZ077-0022 DRAWN BY CHYKSCHEONG 2016/07/27 APPR-KHL1M 2016/07/28	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY	DATE	TITLE MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex			
			 =0	4 PLACES	± ---	± ---	GMENARLY				2015/09/29
			 =0	3 PLACES	± ---	± ---	CHECKED BY				DATE
			 =0	2 PLACES	± 0.20	± ---	CGOH				2015/10/30
			 =0	1 PLACE	± ---	± ---	APPROVED BY				DATE
				0 PLACE	± ---	± ---	KHL1M	2015/11/03	DOCUMENT NO. SD-87833-0001		
			ANGULAR ± 3 °			MATERIAL NO.		SHEET NO. 4 OF 9			
			DRAFT WHERE APPLICABLE			SEE TABLE					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
			MUST REMAIN WITHIN DIMENSIONS			SIZE A3					
A2	REV										

MILLIGRID
2MM PITCH, SMT
R/A SHROUDED HEADER

molex

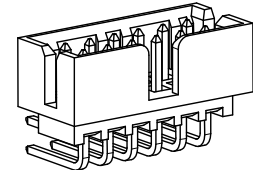
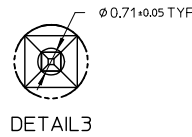
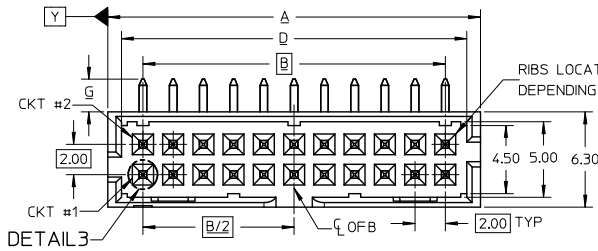
SD-87833-0001

SHEET NO.
4 OF 9

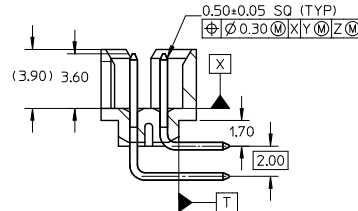
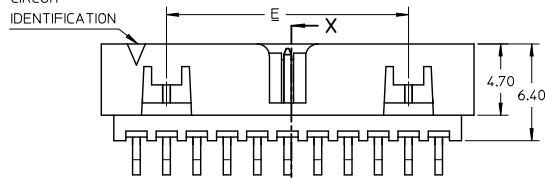
	10	9	8	7	6	5	4	3	2	1																
	8 TO 12 CIRCUITS																									
F	CKT SIZE	ASSY P/N WITHOUT KAPTON IN TUBE	ASSY P/N WITH KAPTON IN TUBE	ASSY P/N WITH KAPTON IN T&R	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	DIMENSION						F										
						DUAL	CENTER			A	B	C	D	E	F	G (SOLDER TAIL)										
	8	87833-0819	N.A	N.A	1	N.A	N.A	YES	YES	10.65	6.00	9.00	8.85	N.A		N.A	2.16									
		87833-0820	N.A	N.A	2																					
		87833-0821	N.A	N.A	3																					
		87833-6320	N.A	N.A	2	N.A	N.A	YES	YES																	
		87833-6321	N.A	N.A	3																					
		87833-0831	87833-0841	87833-0851	2																					
E			87833-0832	N.A	N.A	3	N.A	YES	YES									N.A							3.00	2.16
			87833-0861	N.A	N.A	2	N.A	YES	YES									N.A							3.00	3.18
			87833-0824	N.A	N.A	2	N.A	N.A	YES									YES							N.A	2.92
		87833-0825	N.A	N.A	3																					
	10	87832-1019	N.A	N.A	1	N.A	N.A	YES	YES	12.65	8.00	11.00	10.85	N.A		N.A	2.16									
		87833-1020	N.A	N.A	2																					
		87833-1021	N.A	N.A	3																					
		87833-1031	N.A	N.A	2	N.A	YES	YES	N.A																	
		87833-1032	N.A	N.A	3																					
		N.A	87833-1041	87833-1051	2																					
D			87833-1024	N.A	N.A	2	N.A	N.A	YES									YES							4.00	2.16
			87833-1025	N.A	N.A	3	N.A	N.A	YES									YES							4.00	1.70
																									N.A	2.92
	12	87833-1219	N.A	N.A	1	N.A	N.A	YES	YES	14.65	10.00	13.00	12.85	N.A		N.A	2.16									
		87833-1220	N.A	N.A	2																					
		87833-1221	N.A	N.A	3																					
		87833-6020	N.A	N.A	2	N.A	YES	YES	N.A																	
		87833-1231	N.A	N.A	2																					
		87833-1232	N.A	N.A	3																					
C			87833-1224	N.A	N.A	2	N.A	N.A	YES									YES							5.00	2.16
			87833-1225	N.A	N.A	3	N.A	N.A	YES									YES							N.A	2.92
B																		B								
A	PLATING OPTIONS: 1 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 2 - 0.38um/15uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL. 3 - 0.76um/30uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.					SEE SHEET 12.4.6 IEC NO: SZ077-0022 DRAWN BY: 2016/07/12 CHKD:SGCHONG 2016/07/27 APPR:KHL IM 2016/07/28 A2	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE GMEARLY 2015/09/29 CHECKED BY DATE CGOH 2015/10/30 APPROVED BY DATE KHL IM 2015/11/03 MATERIAL NO. SEE TABLE	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex	DOCUMENT NO. SD-87833-0001	SHEET NO. 5 OF 9											
	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

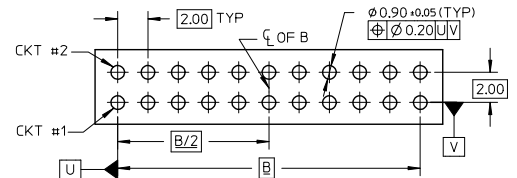
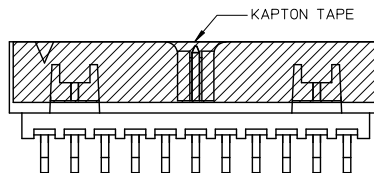
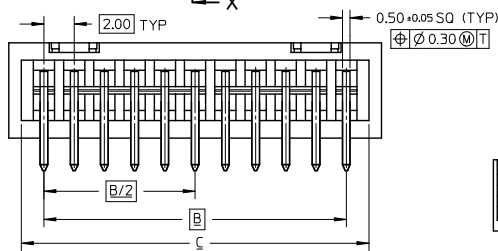
14 TO 50 CIRCUITS



ISO VIEW OF HEADER WITH CENTER POLARIZATION AND DUAL SIDE SLOTS



SECTION X-X

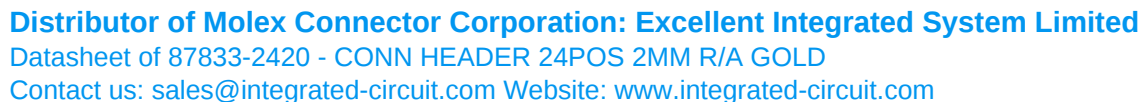


NOTES:

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: SZ07Y-0002 DRAWN BY: GY CHKD: SCHEONG APPR: KHLIM A2	2016/07/12 2016/07/27 2016/07/28	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY GMEARLY	DATE 2015/09/29	TITLE MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex		
				4 PLACES	± ---	± ---	CHECKED BY CGOH	DATE 2015/10/30			
				3 PLACES	± ---	± ---	APPROVED BY KHLIM	DATE 2015/11/03			
				2 PLACES	± 0.20	± ---	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-87833-0001			
				1 PLACE	± ---	± ---	SHEET NO. 6 OF 9				
				0 PLACE	± ---	± ---					
				ANGULAR ± 3 °							
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
				REV							

9 8 7 6 5 4 3 2 1



		10	9	8	7	6	5	4	3	2	1														
		14 TO 24 CIRCUITS																							
F	CKT SIZE	ASSY P/N WITHOUT KAPTON IN TUBE	ASSY P/N WITH KAPTON IN TUBE	ASSY P/N WITH KAPTON IN T&R	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	DIMENSION						F									
						DUAL	CENTER			A	B	C	D	E	F		G (SOLDER TAIL)								
	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	YES	N.A.	YES	YES							3.18									
		87833-5321	N.A.	N.A.	3																				
		87833-1436	N.A.	N.A.	3	YES	N.A.	YES	YES							3.50									
		E	16	87833-1619	N.A.	N.A.	1	YES	N.A.	YES	YES	18.65	14.00	17.00	16.85	10.00	N.A.	2.16							
				87833-1620	N.A.	N.A.	2																		
				87833-1621	N.A.	N.A.	3																		
				87833-6120	N.A.	87833-7120	2											YES	N.A.	YES	YES	3.18			
	18	87833-1819	N.A.	N.A.	1	YES	N.A.	YES	YES	20.65	16.00	19.00	18.85	12.00	N.A.	2.16									
		87833-1820	N.A.	N.A.	2																				
		87833-1821	N.A.	N.A.	3																				
		87833-6220	N.A.	N.A.	2											YES	N.A.	YES	YES	3.18					
	D	20	87833-2019	N.A.	N.A.	1	YES	N.A.	YES	YES	22.65	18.00	21.00	20.85	14.00	N.A.	2.16								
			87833-2020	N.A.	87833-7220	2																			
			87833-2021	N.A.	N.A.	3																			
			87833-6520	N.A.	N.A.	2	YES	N.A.	YES	YES							3.18								
			87833-6521	N.A.	N.A.	3																			
			87833-2036	N.A.	N.A.	3											YES	N.A.	YES	YES	3.50				
	C	22	87833-2219	N.A.	N.A.	1	YES	N.A.	YES	YES	24.65	20.00	23.00	22.85	16.00	N.A.	2.16								
			87833-2220	N.A.	N.A.	2																			
			87833-2221	N.A.	N.A.	3																			
				24	87833-2419	N.A.	N.A.	1	YES	N.A.							YES	YES	26.65	22.00	25.00	24.85	18.00	N.A.	2.16
					87833-2420	N.A.	87833-7020	2																	
87833-2421	N.A.	N.A.			3																				
87833-2436	N.A.	N.A.			3	YES	N.A.	YES			YES	3.50													
		87833-6920	N.A.	N.A.	2	YES	N.A.	YES	YES							3.27									
B																	B								
A	PLATING OPTIONS:					SEE SHEET 12.4.6 EC NO: S2017-0022 DRAWN BY: 2016/07/12 CHKD: SCHEUNG 2016/07/27 APPR: KHL IM 2016/07/28 REV A2	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex DOCUMENT NO. SD-87833-0001 SHEET NO. 7 OF 9	A									
	mm		INCH		MM ONLY			NTS	METRIC																
	4 PLACES ±---		±---		DRAWN BY DATE GMENARLY 2015/09/29			TITLE																	
	3 PLACES ±---		±---		CHECKED BY DATE CGOH 2015/10/30																				
	1 PLACE ±---		±---		APPROVED BY DATE KHL IM 2015/11/03																				
0 PLACE ±---		±---		MATERIAL NO. SEE TABLE																					
ANGULAR ± 3 °																									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																									
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																									
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							
	26 TO 38 CIRCUITS																
F	CKT SIZE	ASSY P/N WITHOUT KAPTON IN TUBE	ASSY P/N WITH KAPTON IN TUBE	ASSY P/N WITH KAPTON IN T&R	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	DIMENSION						F	
						DUAL	CENTER			A	B	C	D	E	F	G (SOLDER TAIL)	
	26	87833-2619	N.A	N.A	1	YES	N.A	YES	YES	28.65	24.00	27.00	26.85	20.00	N.A	2.16	
		87833-2620	N.A	N.A	2											3.50	
		87833-2621	N.A	N.A	3	YES	N.A	YES	YES							2.16	
		87833-2636	N.A	N.A	3												3.18
E	28	87833-2819	N.A	N.A	1	YES	N.A	YES	YES	30.65	26.00	29.00	28.85	22.00	N.A	2.16	
		87833-2820	N.A	N.A	2											3.18	
		87833-2821	N.A	N.A	3	YES	N.A	YES	YES							2.16	
		87833-6620	N.A	N.A	2												3.50
	30	87832-3019	N.A	N.A	1	YES	N.A	YES	YES	32.65	28.00	31.00	30.85	24.00	N.A	2.16	
		87833-3020	N.A	N.A	2											3.18	
		87833-3021	N.A	N.A	3	YES	N.A	YES	YES							2.16	
		87833-6720	N.A	N.A	2												3.50
		87833-6721	N.A	N.A	3	YES	N.A	YES	YES							2.16	
		87833-3036	N.A	N.A	3												3.18
D	32	87833-3219	N.A	N.A	1	YES	N.A	YES	YES	34.65	30.00	33.00	32.85	26.00	N.A	2.16	
		87833-3220	N.A	N.A	2											2.16	
		87833-3221	N.A	N.A	3											2.92	
	34	87833-3419	N.A	N.A	1	YES	N.A	YES	YES	36.65	32.00	35.00	34.85	28.00	N.A	2.16	
		87833-3420	N.A	N.A	2											3.18	
		87833-3421	N.A	N.A	3											2.92	
		87833-5420	N.A	N.A	2	YES	N.A	YES	YES							2.16	
		87833-3424	N.A	N.A	2	N.A	N.A	YES	YES							2.92	
C	36	87833-3619	N.A	N.A	1	YES	N.A	YES	YES	38.65	34.00	37.00	36.85	30.00	N.A	2.16	
		87833-3620	N.A	N.A	2											2.16	
		87833-3621	N.A	N.A	3											2.16	
	38	87833-3819	N.A	N.A	1	YES	N.A	YES	YES	40.65	36.00	39.00	38.85	32.00	N.A	2.16	
		87833-3820	N.A	N.A	2											2.16	
		87833-3821	N.A	N.A	3											2.16	
B	<																

	10	9	8	7	6	5	4	3	2	1															
	40 TO 50 CIRCUITS																								
F	CKT SIZE	ASSY P/N WITHOUT KAPTON IN TUBE	ASSY P/N WITH KAPTON IN TUBE	ASSY P/N WITH KAPTON IN T&R	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	DIMENSION						F									
						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	42.65	38.00	41.00	40.85	34.00	N.A	2.16									
	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									
E	44	87833-4419 87833-4420 87833-4421 87833-4424 87832-4425	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 N.A	YES YES	YES YES	46.65	42.00	45.00	44.85	38.00	N.A	2.16 2.92	E								
		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	D
		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	
C												C													
B												B													
A	PLATING OPTIONS:					SEE SHEET 1246 EC NO: S2017-0022 DRAWN BY: GMENARLY 2016/07/12 CHKD: SCHEONG 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		A									
	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.							4 PLACES	± ---	± ---	DRAWN BY GMENARLY	DATE 2015/09/29	TITLE MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER												
	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 PLACES	± ---	± ---	CHECKED BY CGOH	DATE 2015/10/30													
	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.							2 PLACES	± 0.20	± ---	APPROVED BY KHLIM	DATE 2015/11/03													
								1 PLACE	± ---	± ---	MATERIAL NO.		DOCUMENT NO.												
					ANGULAR ± 3 °			SEE TABLE		SD-87833-0001		SHEET NO. 9 OF 9													
					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															