

Excellent Integrated System Limited

Stocking Distributor

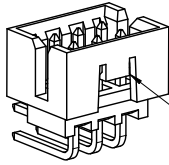
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[0878334421](#)

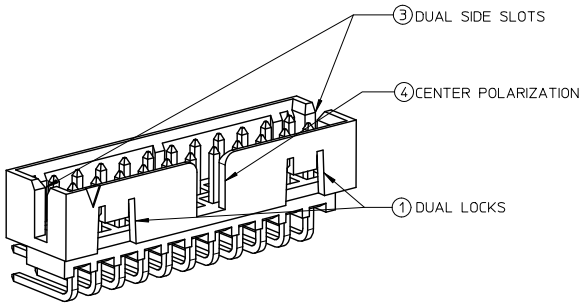
For any questions, you can email us directly:

sales@integrated-circuit.com

FEATURES SELECTION GUIDE



② CENTER LOCK



③ DUAL SIDE SLOTS

④ CENTER POLARIZATION

① DUAL LOCKS

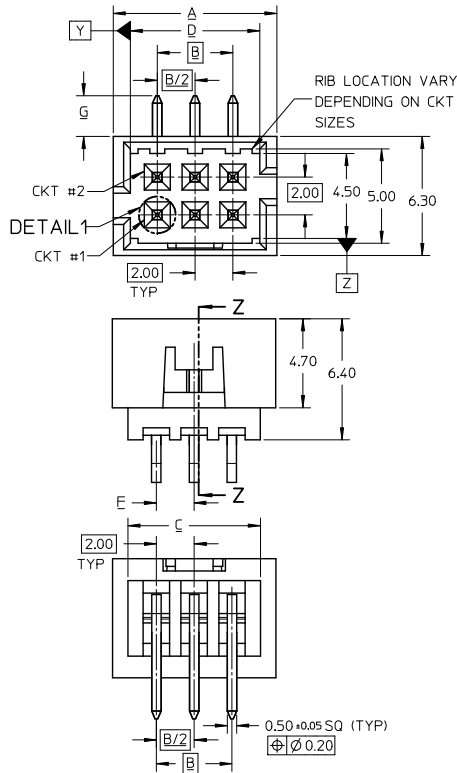
CIRCUIT SIZE	FEATURES				
	FRICTION LOCKS		③ DUAL SIDE SLOTS	④ CENTER POLARIZATION	SHEET NO
	① DUAL	② CENTER			
4 - 6	N.A	N.A	YES	N.A	2 - 3
	N.A	YES	YES	N.A	
8 TO 12	N.A	N.A	YES	YES	4 - 5
	N.A	YES	YES	N.A	
14 TO 50	YES	N.A	YES	YES	6 - 9
	N.A	N.A	YES	YES	

PACKAGING SPECIFICATION TABLE

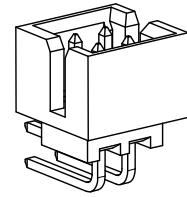
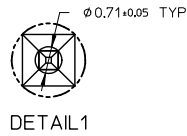
TAPE AND REEL PACKAGING	PK-87831-300
TUBE STANDARD PACKAGING	PK-87831-001
TUBE NON-STANDARD PACKAGING FOR: 87833-0861 87833-1420	PK-87831-002

ADD PK TABLE EC NO: S2017-0022 DRAWN BY: GMEARLY 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 GMEARLY	DATE 2015/09/29	TITLE MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex	DOCUMENT NO. SD-87833-0001	SHEET NO. 1 OF 9		
				 =0	4 PLACES ± ---	± ---	CHECKED BY CGOH	DATE 2015/10/30					
				 =0	3 PLACES ± ---	± ---	APPROVED BY KHLIM	DATE 2015/11/03					
				 =0	2 PLACES ± 0.20	± ---							
				 =0	1 PLACE ± ---	± ---							
					0 PLACE ± ---	± ---	MATERIAL NO.						
								ANGULAR ± 3 °		SEE TABLE			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

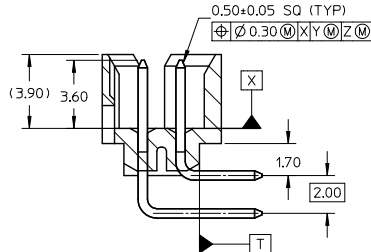
10 9 8 7 6 5 4 3 2 1



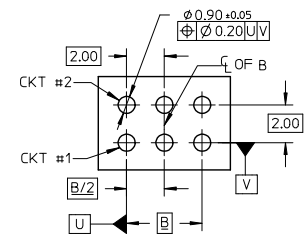
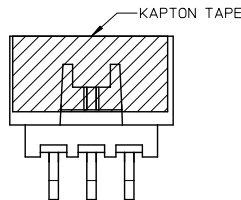
4 TO 6 CIRCUITS



ISO VIEW OF HEADER
DUAL SIDE SLOTS



SECTION Z-Z



RECOMMENDED PCB LAYOUT

NOTES:

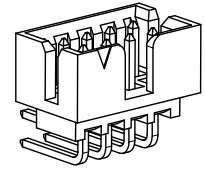
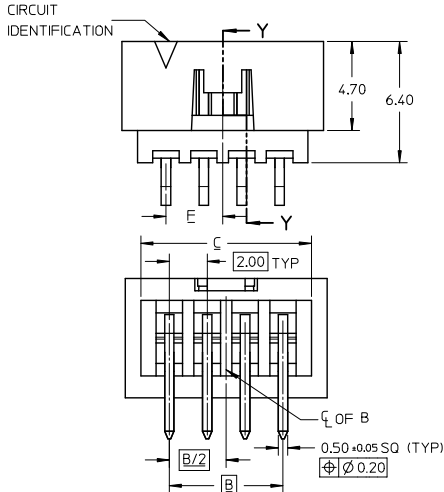
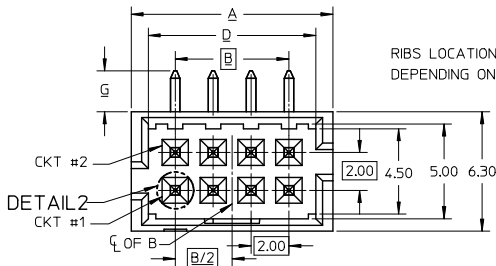
1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND CRIMP 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 CHKD:SCHEONG APPR:KHL IM	2016/07/12 2016/07/27 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			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

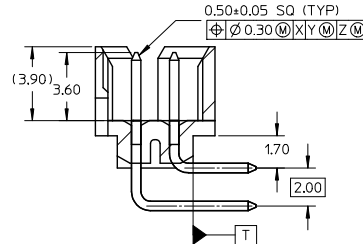
9 8 7 6 5 4 3 2 1

	10	9	8	7	6	5	4	3	2	1								
	4 TO 6 CIRCUITS																	
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	N.A	YES	N.A						N.A	3.18		
		87833-0431	87833-0441	87833-0451	2	N.A	YES	YES	N.A						1.00	2.16		
		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	N.A	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 DRAWN BY: 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. SEE TABLE	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex	DOCUMENT NO. SD-87833-0001	SHEET NO. 3 OF 9	A		
	10	9	8	7	6	5	4	3	2	1								

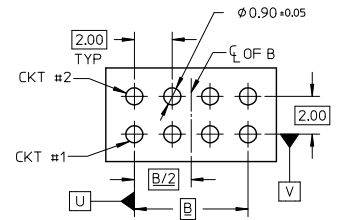
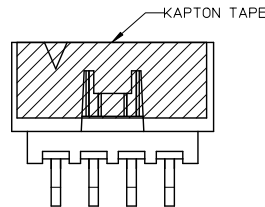
8 TO 12 CIRCUITS



ISO VIEW OF HEADER WITH CENTER POLARIZATION AND DUAL SIDE SLOTS



SECTION Y-Y



NOTES:

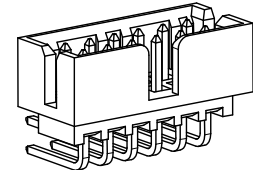
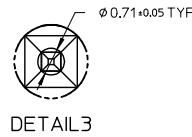
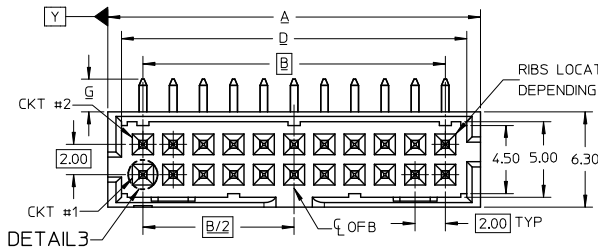
1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 5110 SERIES AND CRIMP 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)
6. FOR ILLUSTRATION PURPOSE, 8 CIRCUIT HEADER IS SHOWN

EDIT NOTE 4 EC NO: SZ077-0022 DRAWN:GEMARLY 2016/07/12 CHKD:CSCHONG 2016/07/27 APPR:KHLIM 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 ± ---	± ---	GEMARLY	2015/09/29					
			√=0	3 PLACES ± ---	± ---	CHECKED BY	DATE					
			√=0	2 PLACES ± 0.20	± ---	CGOH	2015/10/30					
			√=0	1 PLACE ± ---	± ---	APPROVED BY	DATE	DOCUMENT NO. SD-87833-0001				
			√=0	0 PLACE ± ---	± ---	KHLIM	2015/11/03					
			ANGULAR ± 3 °		MATERIAL NO.		SEE TABLE					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
			REV							SHEET NO. 4 OF 9		

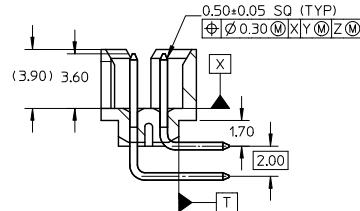
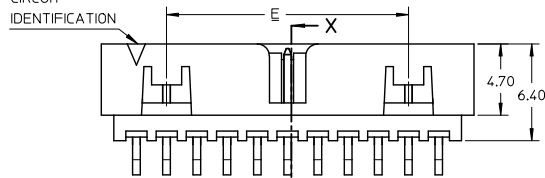
		10		9		8		7		6		5		4		3		2		1																					
		8 TO 12 CIRCUITS																																							
F	CKT SIZE	ASSY P/N WITHOUT KAPTON IN TUBE	ASSY P/N WITH KAPTON IN TUBE	ASSY P/N WITH KAPTON IN T&R	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	DIMENSION															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	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							N.A	3.18																								
		87833-6321	N.A	N.A	3																																				
		87833-0831	87833-0841	87833-0851	2											N.A	YES	YES	N.A	3.00	2.16																				
E			87833-0832	N.A	N.A	3	N.A	YES	YES							N.A	12.65	8.00	11.00	10.85	N.A	N.A	N.A	2.16																	
		87833-0861	N.A	N.A	2	N.A																	YES	YES	N.A	4.00	2.16														
	87833-0824	N.A	N.A	2	N.A	N.A				YES	YES	4.00	1.70																												
		87833-0825	N.A	N.A	3	N.A	N.A	YES	YES	12.65	8.00	11.00	10.85	N.A	N.A	N.A	2.16																								
	87832-1019	N.A	N.A	1																																					
	87833-1020	N.A	N.A	2	N.A											YES	YES	N.A	12.65	8.00	11.00	10.85	N.A	N.A	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											
D		87833-1032	N.A	N.A	3											N.A	YES	YES	N.A	12.65	8.00	11.00	10.85	N.A	N.A	N.A	2.16														
	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	N.A	N.A	YES	YES	14.65	10.00	13.00	12.85	N.A	N.A	N.A	2.16																								
	87833-1219	N.A	N.A	1																																					
	87833-1220	N.A	N.A	2	N.A											N.A	YES	YES	14.65	10.00	13.00	12.85	N.A	N.A	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	N.A	N.A	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																																				
B																																									
A	PLATING OPTIONS:					SEE SHEET 12.4.6		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION																							
	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.					IEC NO: SZ077-0022		DRAWN BY: DRW:GEMENARLY		4 PLACES ± --- ± ---		DRAWN BY: GEMENARLY		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.					2016/07/12		2016/07/27		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.					2016/07/28		2016/07/28		2 PLACES ± 0.20 ± ---		APPROVED BY: KHL IM		DATE: 2015/11/03																											
						REV		DESCRIPTION		0 PLACE ± --- ± ---		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87833-0001																											
						A2				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																											
	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

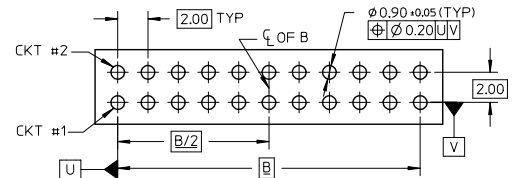
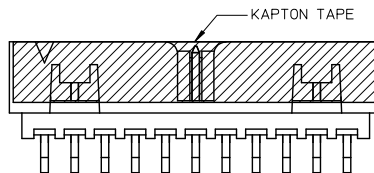
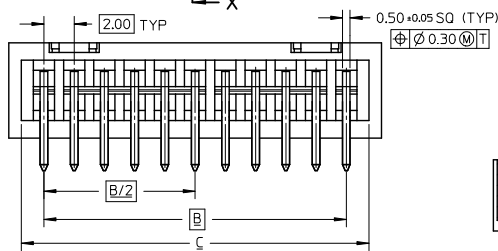
14 TO 50 CIRCUITS



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 CHYK-S-CHENG APPROVAL A2	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					
			4 PLACES	± ---	± ---	GMEARLY	2015/09/29						
			3 PLACES	± ---	± ---	CHECKED BY	DATE						
			2 PLACES	± 0.20	± ---	CGOH	2015/10/30						
				1 PLACE	± ---	± ---	APPROVED BY	DATE	DOCUMENT NO. SD-87833-0001				
				0 PLACE	± ---	± ---	KHL IM	2015/11/03					
				ANGULAR ± 3 °		MATERIAL NO.		SHEET NO. 6 OF 9					
				SEE TABLE									
				SIZE A3									
REV			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

tb_frame_A3_P_AM_T
Rev. G 2012/01/11

	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	3.50			
		87833-2620	N.A	N.A	2															
		87833-2621	N.A	N.A	3															
		87833-2636	N.A	N.A	3	YES	N.A	YES	YES											
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	3.18	E		
		87833-2820	N.A	N.A	2															
		87833-2821	N.A	N.A	3															
		87833-6620	N.A	N.A	2	YES	N.A	YES	YES											
	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	3.50			
		87833-3020	N.A	N.A	2															
		87833-3021	N.A	N.A	3															
		87833-6720	N.A	N.A	2	YES	N.A	YES	YES							3.18		3.50		
		87833-6721	N.A	N.A	3															
		87833-3036	N.A	N.A	3	YES	N.A	YES	YES											
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	3.18	D		
		87833-3220	N.A	N.A	2															
		87833-3221	N.A	N.A	3															
	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	2.92			
		87833-3420	N.A	N.A	2															
		87833-3421	N.A	N.A	3															
		87833-5420	N.A	N.A	2	YES	N.A	YES	YES							3.18		2.92		
		87833-3424	N.A	N.A	2	N.A	N.A	YES	YES											
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	2.16	C		
		87833-3620	N.A	N.A	2															
		87833-3621	N.A	N.A	3															
	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	2.16			
		87833-3820	N.A	N.A	2															
		87833-3821	N.A	N.A	3															
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 EC NO: S2017-0022 DRWNGENARLY 2016/07/12 CHKD:SCHEONG 2016/07/27 APPR:KHL IN 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 KHL IM 2015/11/03	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	MILLIGRID 2MM PITCH, SMT R/A SHROUDED HEADER molex			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	A
	ib_frame_A3_P_AM_T Rev. G 2012/01/11																			

	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	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														
E	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									
		87832-4425	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														
D	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														
C																	C	
B																	B	
A																	A	
PLATING OPTIONS:					SEE SHEET 12.4.6		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
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.					EC NO: S2017-0022		√A=0		4 PLACES ± --- ± ---		DRAWN BY DATE		NTS		METRIC		MILLIGRID	
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.					2016/07/12		√B=0		3 PLACES ± --- ± ---		GMENARLY 2015/09/29						2MM PITCH, SMT	
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.					2016/07/28		√C=0		2 PLACES ± 0.20 ± ---		CHECKED BY DATE						R/A SHROUDED HEADER	
					CHKD:SGHEONG				1 PLACE ± --- ± ---		CGOH 2015/10/30						molex	
					APPR:KHLIM				0 PLACE ± --- ± ---		APPROVED BY DATE							
					REV				ANGULAR ± 3 °		KHLIM 2015/11/03							
					A2				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.				SHEET NO.	
									SIZE A3		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								