

Excellent Integrated System Limited

Stocking Distributor

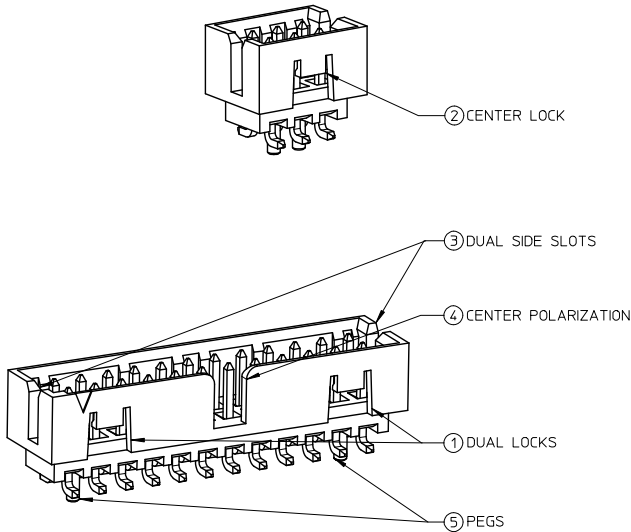
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[0878326023](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

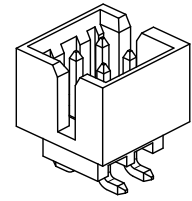
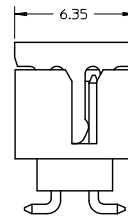
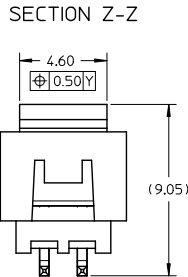
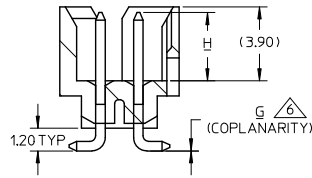
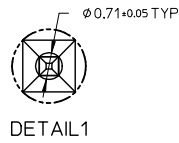
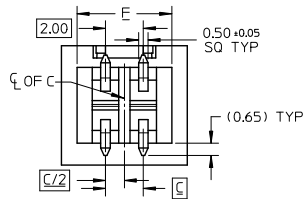
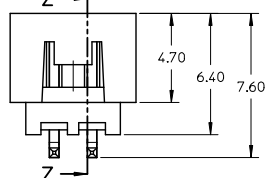
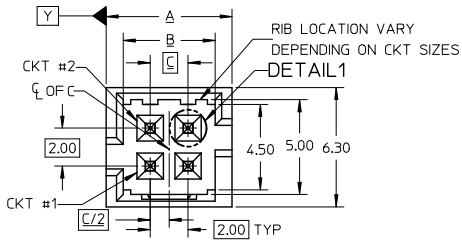
FEATURES SELECTION GUIDE



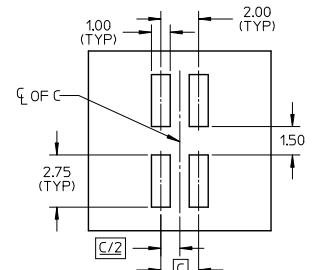
CIRCUIT SIZE	FEATURES					SHEET NO
	FRICTION LOCKS		③ DUAL SIDE SLOTS	④ CENTER POLARIZATION	⑤ PEGS	
	① DUAL	② CENTER				
4	N.A	N.A	YES	N.A	N.A	2 - 3
	N.A	YES	YES	N.A	N.A	
6	N.A	N.A	YES	N.A	N.A	4 - 5
	N.A	N.A	YES	N.A	YES	
	N.A	N.A	YES	YES	N.A	
	N.A	YES	YES	N.A	N.A	
	N.A	YES	YES	N.A	YES	
8 TO 12	N.A	N.A	YES	YES	YES	6 - 7
	N.A	N.A	YES	YES	N.A	
	N.A	YES	YES	N.A	N.A	
	N.A	YES	YES	N.A	YES	
14 TO 50	YES	N.A	YES	YES	N.A	8 - 11
	YES	N.A	YES	YES	YES	

SEE SHEET 2.3.4.6.8812 EC NO: S2017-0022 DRAWN BY: GMENARLY CHKD: SCHEONG APPR: KHLIM	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION REV A2	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY GMENARLY	DATE 2015/05/22	TITLE MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex		
			4 PLACES	± ---	± ---	CHECKED BY	DATE			
			3 PLACES	± ---	± ---	CGOH	2015/09/21			
			2 PLACES	± 0.20	± ---	APPROVED BY	DATE			
			1 PLACE	± ---	± ---	KHLIM	2015/09/22	DOCUMENT NO. SD-87832-0001		
			0 PLACE	± ---	± ---	MATERIAL NO.				
			ANGULAR ± 3°		SEE TABLE		SHEET NO. 1 OF 12			
			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				

4 CIRCUITS



ISO VIEW OF HEADER
WITH ONLY DUAL SLOTS



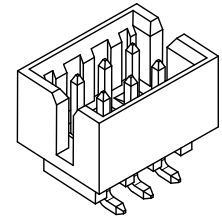
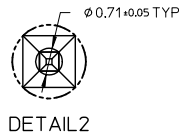
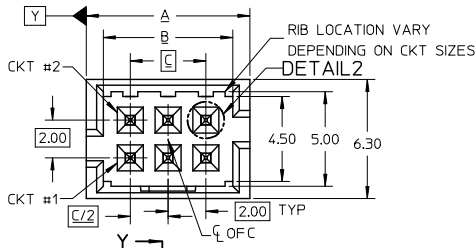
NOTES:

1. MATERIALS:
HOUSING & CAP: 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 12
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. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE
7. BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY
8. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE

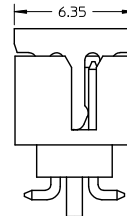
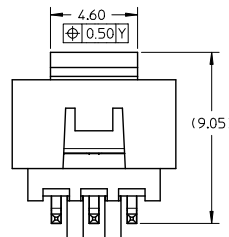
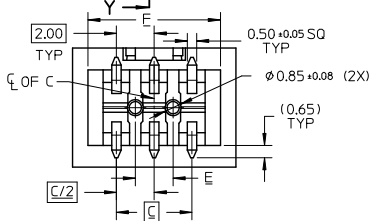
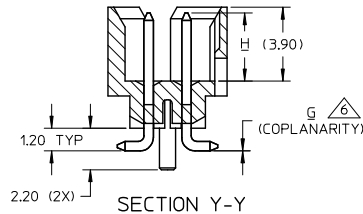
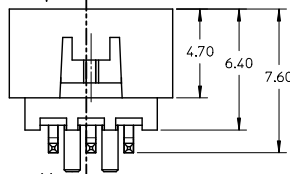
QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY		NTS	METRIC		
				mm	INCH	DRAWN BY	DATE	TITLE	
4 PLACES		± ---		± ---	± ---	GMENARLY	2015/05/22	MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex	
3 PLACES		± ---		± ---	± ---	CHECKED BY	DATE		
2 PLACES		± 0.20		± ---	± ---	CGOH	2015/09/21		
1 PLACE		± ---		± ---	± ---	APPROVED BY	DATE		
0 PLACE		± ---		± ---	± ---	KHLIM	2015/09/22		
		ANGULAR ± 3 °				MATERIAL NO.		DOCUMENT NO.	
		DRAFT WHERE APPLICABLE		SEE TABLE		SIZE		SD-87832-0001	
		MUST REMAIN WITHIN DIMENSIONS				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

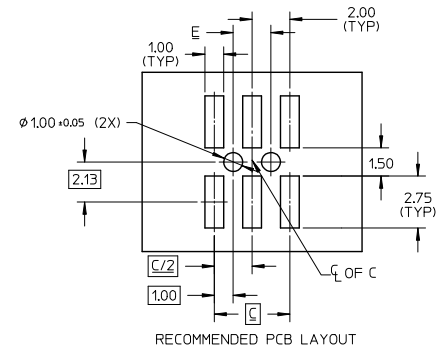
6 CIRCUITS



VIEW FOR HEADER WITH ONLY DUAL SLOTS



VIEW FOR HEADER WITH CAP



NOTES:

1. MATERIALS:
HOUSING & CAP: 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 12
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)
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7. BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY
8. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE

6. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE

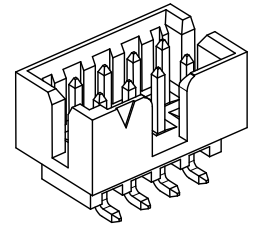
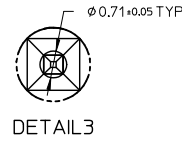
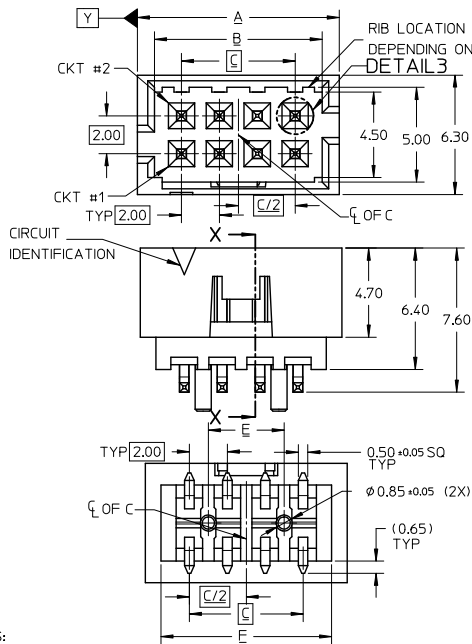
7. BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY
8. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE

EDIT NOTE 4 EC NO: S2017-0022 DRAWN BY: GMENARLY CHKD: SCHEONG APPR: KHL IM REV: 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 VERTICAL SHROUDED HEADER molex				
		 =0	4 PLACES ± ---	± ---	GMENARLY	2015/05/22					
		 =0	3 PLACES ± ---	± ---	CHECKED BY	DATE					
		 =0	2 PLACES ± 0.20	± ---	CGOH	2015/09/21					
		1 PLACE ± ---	± ---	APPROVED BY	DATE	DOCUMENT NO. SD-87832-0001					
		0 PLACE ± ---	± ---	KHL IM	2015/09/22				SHEET NO. 4 OF 12		
		ANGULAR ± 3°		MATERIAL NO.							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
				SIZE A3							

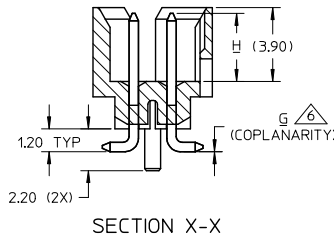
9 8 7 6 5 4 3 2 1

	10	9	8	7	6	5	4	3	2	1												
	6 CIRCUITS																					
F	CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	DIMENSION							F			
							DUAL	CENTER				A	B	C	D	E	F	G (COPLAN)		H		
E	6	87832-0660	87832-0662	87832-5262	1	1	N.A	N.A	YES	N.A	YES	8.65	6.85	4.00	N.A	2.00	7.00	0.10	3.60±0.20	E		
		87832-0620	87832-0622	87832-5222	1	2																
		87832-0621	87832-0623	87832-5223	1	3																
		87832-0670	87832-0672	87832-5272	1	4	N.A	N.A	YES	N.A	N.A							0.10	3.60±0.20			
		87832-0612	87832-0616	87832-0614	1	2																
		87832-0613	87832-0617	87832-0615	1	3	N.A	N.A	YES	YES	N.A										0.10	3.60±0.20
		87832-0624	87832-0626	87832-0628	1	2	N.A	YES	YES	N.A	N.A							0.10	3.60±0.15			
		87832-0625	87832-0627	87832-0629	1	3	N.A	YES	YES	N.A	YES											
		87832-0610	87832-0608	87832-0606	1	2																
87832-0611	87832-0609	87832-0607	1	3	N.A	YES						YES	N.A	YES	0.10	3.60±0.20						
87832-0604	N.A	N.A	N.A	2			N.A	YES	YES	N.A	YES											
D																				D		
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. 4 - 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL. SEE SHEET 2.3.4.6.8812 EC NO: S2017-0022 DRAWN BY: 2016/03/22 CHKD: SCHEONG 2016/07/27 APPR: KHLIM 2016/07/28 REV A2 QUALITY SYMBOLS ∇=0 ∇=0 ∇=0 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: DATE: 2015/05/22 CHECKED BY: DATE: 2015/09/21 APPROVED BY: DATE: 2015/09/22 KHLIM MATERIAL NO. SEE TABLE SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION SCALE NTS DESIGN UNITS METRIC THIRD ANGLE PROJECTION TITLE MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex DOCUMENT NO. SD-87832-0001 SHEET NO. 5 OF 12 ib_frame_A3_P_AM_T Rev. G 2012/01/11 9 8 7 6 5 4 3 2 1																					

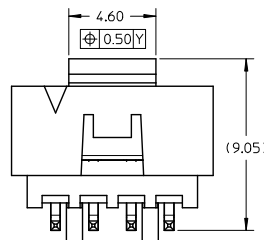
8 TO 12 CIRCUITS



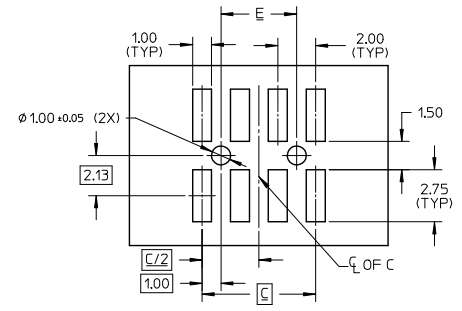
ISO VIEW OF HEADER WITH CENTER POLARIZATION AND DUAL SIDE SLOTS



SECTION X-X



VIEW FOR HEADER WITH CAP



RECOMMENDED PCB LAYOUT

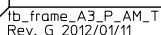
NOTES:

1. MATERIALS:
HOUSING & CAP: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
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4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 12
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND CRIMP TERMINAL: 50394 SERIES
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EDIT NOTE 4 EC NO: S2017-0022 DRAWN BY: GMEARLY CHKD: SCHEONG APPR: KHLIM A2	DESCRIPTION	REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
			 =0	4 PLACES ± --- ± ---	mm	INCH	DRAWN BY GMEARLY	DATE 2015/05/22	TITLE MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex DOCUMENT NO. SD-87832-0001 SHEET NO. 6 OF 12			
			 =0	3 PLACES ± --- ± ---			CHECKED BY CGOH	DATE 2015/09/21				
			 =0	2 PLACES ± 0.20 ± ---			APPROVED BY KHLIM	DATE 2015/09/22				
				1 PLACE ± --- ± ---			MATERIAL NO. SEE TABLE					
				0 PLACE ± --- ± ---								
			ANGULAR ± 3 °									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
			SIZE 3 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																				
8 TO 12 CIRCUITS																															
F	CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	DIMENSION								F											
							DUAL	CENTER				A	B	C	D	E	F	G (COPLAN)	H												
E	8	87832-0860	87832-0862	87832-5362	1	1	N.A	N.A	YES	YES	YES	10.65	8.85	6.00	N.A	4.00	9.00	0.10	3.60±0.20	E											
		87832-0820	87832-0822	87832-5322	1	2																									
		87832-0821	87832-0823	87832-5323	1	3																									
		87832-0870	87832-0872	87832-5372	1	4																									
		87832-0812	87832-0816	87832-0814	1	2	N.A	N.A	YES	YES	N.A										0.10	3.60±0.20	D								
		87832-0824	87832-0826	87832-0828	1	2	N.A	YES	YES	N.A	N.A										0.10	3.60±0.15									
		87832-0825	87832-0827	87832-0829	1	3	N.A	YES	YES	N.A	YES										0.10	3.60±0.20									
		87832-0810	87832-0808	87832-0806	1	2	N.A	YES	YES	N.A	YES										0.10	3.60±0.20									
87832-0811	87832-0809	87832-0807	1	3	N.A	YES	YES	N.A	YES	0.10	3.60±0.20	C																			
87832-0804	N.A	N.A	N.A	2	N.A	YES	YES	N.A	YES	0.10	3.60±0.20																				
87832-1060	87832-1062	87832-5462	1	1	N.A	N.A	YES	YES	YES	12.65	10.85		8.00	N.A	6.00	11.00	0.10	3.60±0.20	D												
87832-1020	87832-1022	87832-5422	1	2																											
87832-1021	87832-1023	87832-5423	1	3																											
87832-1070	87832-1072	87832-5472	1	4																											
D	10	87832-1012	87832-1016	87832-1014	1	2	N.A	N.A	YES			YES								N.A	14.65	12.85	10.00	N.A	8.00	13.00	0.10	3.60±0.15	C		
		87832-1024	87832-1026	87832-1028	1	2	N.A	YES	YES			N.A								N.A										0.10	3.60±0.15
		87832-1025	87832-1027	87832-1029	1	3	N.A	YES	YES			N.A								YES										0.10	3.60±0.20
		87832-1010	87832-1008	87832-1006	1	2	N.A	YES	YES			N.A								YES										0.10	3.60±0.20
		87832-1011	87832-1009	87832-1007	1	3	N.A	YES	YES	N.A	YES	0.10	3.60±0.20																		
		87832-1004	N.A	N.A	N.A	2	N.A	YES	YES	N.A	YES	0.10	3.60±0.20																		
		87832-1260	87832-1262	87832-5562	1	1	N.A	N.A	YES	YES	YES	16.65	14.85	12.00	N.A	9.00	14.00	0.10	3.60±0.20	A											
		87832-1220	87832-1222	87832-5522	1	2																									
87832-1221	87832-1223	87832-5523	1	3																											
87832-1270	87832-1272	87832-5572	1	4																											
C	12	87832-1224	87832-1226	87832-1228	1	2	N.A	YES	YES	N.A	N.A										16.65	14.85	12.00	N.A	9.00	14.00	0.10	3.60±0.15	A		
		87832-1225	87832-1227	87832-1229	1	3	N.A	YES	YES	N.A	YES																			0.10	3.60±0.20
		87832-1210	87832-1208	87832-1206	1	2	N.A	YES	YES	N.A	YES																			0.10	3.60±0.20
		87832-1211	87832-1209	87832-1207	1	3	N.A	YES	YES	N.A	YES																			0.10	3.60±0.20
		87832-1204	N.A	N.A	N.A	2	N.A	YES	YES	N.A	YES	0.10	3.60±0.20																		
		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.																															
4 - 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL.																															
ib_frame_A3_P_AM_T Rev. G 2012/01/11														9	8	7	6	5	4	3	2	1									

SEE SHEET 2.3.4.6.88.12 IEC NO: S2017-0022 DRAWN BY: GMENARLY CHKD: SCHEONG APPR: KHL IM REV: A2	DESCRIPTION	QUALITY SYMBOLS   	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION		
					MM ONLY		NTS	METRIC			
					DRAWN BY DATE		TITLE				
					CHECKED BY DATE		MILLIGRID				
					4 PLACES ± --- ± ---		GMENARLY 2015/05/22		2MM PITCH, SMT		
					3 PLACES ± --- ± ---		CGOH 2015/09/21		VERTICAL SHROUDED HEADER		
					2 PLACES ± 0.20 ± ---		APPROVED BY DATE		DOCUMENT NO.		
					1 PLACE ± --- ± ---		KHL IM 2015/09/22		SD-87832-0001		
					0 PLACE ± --- ± ---				SHEET NO.		
					ANGULAR ± 3 °		SEE TABLE		7 OF 12		
		DRAFT WHERE APPLICABLE		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX					
		MUST REMAIN WITHIN DIMENSIONS				INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



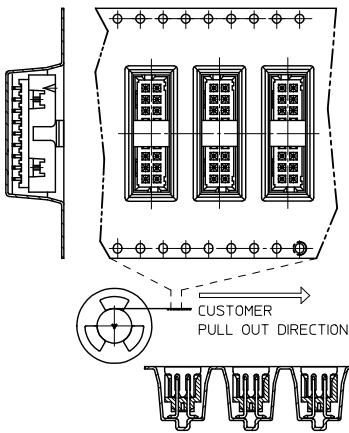
10		9		8		7		6		5		4		3		2		1		
14 TO 24 CIRCUITS																				
F	CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	DIMENSION								F
							DUAL	CENTER				A	B	C	D	E	F	G (COPLAN)	H	
14	87832-1460	87832-1462	87832-5662	1	1	3	YES	N.A	YES	YES	YES	16.65	14.85	12.00	8.00	10.00	15.00	0.15	3.60±0.20	
	87832-1420	87832-1422	87832-5623	1	2															
	87832-1421	87832-1423	87832-9523	2	4															
	87832-1470	87832-1472	87832-5672	1	2															
	87832-1412	87832-1416	87832-1414	1	2															
16	87832-1660	87832-1662	87832-5762	1	1	3	YES	N.A	YES	YES	YES	18.65	16.85	14.00	10.00	12.00	17.00	0.15	3.60±0.20	
	87832-1620	87832-1622	87832-5722	1	2															
	87832-1621	87832-1623	87832-5723	1	4															
	87832-1670	87832-1672	87832-5772	1	2															
	87832-1612	87832-1616	87832-1614	1	2															
18	87832-1860	87832-1862	87832-5862	1	1	3	YES	N.A	YES	YES	YES	20.65	18.85	16.00	12.00	14.00	19.00	0.15	3.60±0.20	
	87832-1820	87832-1822	87832-5822	1	2															
	87832-1821	87832-1823	87832-5823	1	4															
	87832-1870	87832-1872	87832-5872	1	2															
	87832-1812	87832-1816	87832-1814	3	3															
20	87832-2060	87832-2062	87832-5962	1	1	3	YES	N.A	YES	YES	YES	22.65	20.85	18.00	14.00	16.00	21.00	0.15	3.60±0.20	
	87832-2020	87832-2022	87832-5922	1	2															
	87832-2021	87832-2023	87832-5923	1	4															
	87832-2070	87832-2072	87832-5972	1	2															
	87832-2012	87832-2016	87832-2014	1	2															
22	87832-2260	87832-2262	87832-6062	1	1	3	YES	N.A	YES	YES	YES	24.65	22.85	20.00	16.00	18.00	23.00	0.15	3.60±0.20	
	87832-2220	87832-2222	87832-6022	1	2															
	87832-2221	87832-2223	87832-6023	1	3															
	87832-2270	87832-2272	87832-6072	1	4															
	87832-2460	87832-2462	87832-6162	1	1															
24	87832-2420	87832-2422	87832-6122	1	2	3	YES	N.A	YES	YES	YES	26.65	24.85	22.00	18.00	20.00	25.00	0.15	3.60±0.20	
	87832-2421	87832-2423	87832-6123	1	3															
	87832-2470	87832-2472	87832-6172	1	4															
	87832-2412	87832-2416	87832-2414	1	2															
	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. 4 - 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL.																			
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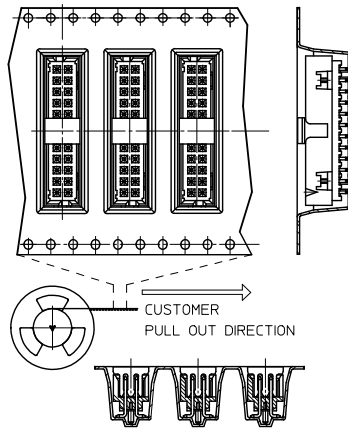
										10	9	8	7	6	5	4	3	2	1
40 TO 50 CIRCUITS																			
F	CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	DIMENSION							
							DUAL	CENTER				A	B	C	D	E	F	G (COPLAN)	H
40	87832-4060	87832-4062	87832-6962	1	1	YES	N.A	YES	YES	YES	YES	42.65	40.85	38.00	34.00	36.00	41.00	0.15	3.60±0.20
	87832-4020	87832-4022	87832-6922	1	2														
	87832-4021	87832-4023	87832-6923	1	3														
	87832-4070	87832-4072	87832-6972	1	4	YES	N.A	YES	YES	N.A	YES	42.65	40.85	38.00	34.00	36.00	41.00	0.15	3.60±0.20
E	87832-4012	87832-4016	N.A	N.A	2														
	87832-4260	87832-4262	N.A	N.A	1	YES	N.A	YES	YES	YES	YES	44.65	42.85	40.00	36.00	38.00	43.00	0.15	3.60±0.20
	87832-4220	87832-4222	N.A	N.A	2														
	87832-4221	87832-4223	N.A	N.A	3														
D	87832-4270	87832-4272	N.A	N.A	4	YES	N.A	YES	YES	YES	N.A	46.65	44.85	42.00	38.00	40.00	45.00	0.15	3.60±0.20
	87832-4460	87832-4462	87832-7162	1	1														
	87832-4420	87832-4422	87832-7122	1	2														
	87832-4421	87832-4423	87832-7123	1	3	YES	N.A	YES	YES	YES	N.A	46.65	44.85	42.00	38.00	40.00	45.00	0.15	3.60±0.20
D	87832-4470	87832-4472	87832-7172	1	4														
	87832-4413	87832-4417	87832-4415	3	3	YES	N.A	YES	YES	N.A	YES	48.65	46.85	44.00	40.00	42.00	47.00	0.15	3.60±0.20
	87832-4660	87832-4662	87832-7262	1	1														
	87832-4620	87832-4622	87832-7222	1	2														
D	87832-4621	87832-4623	N.A	N.A	3	YES	N.A	YES	YES	YES	YES	50.65	48.85	46.00	42.00	44.00	49.00	0.15	3.60±0.20
	87832-4670	87832-4672	87832-7272	1	4														
	87832-4860	87832-4862	N.A	N.A	1														
	87832-4820	87832-4822	N.A	N.A	2	YES	N.A	YES	YES	YES	YES	52.65	50.85	48.00	44.00	46.00	51.00	0.15	3.60±0.20
C	87832-4821	87832-4823	N.A	N.A	3														
	87832-4870	87832-4872	N.A	N.A	4	YES	N.A	YES	YES	YES	N.A	52.65	50.85	48.00	44.00	46.00	51.00	0.15	3.60±0.20
	87832-5060	87832-5062	87832-7462	1	1														
	87832-5020	87832-5022	87832-7422	1	2														
C	87832-5021	87832-5023	87832-7423	1	3	YES	N.A	YES	YES	YES	YES	52.65	50.85	48.00	44.00	46.00	51.00	0.15	3.60±0.20
	87832-5070	87832-5072	87832-7472	1	4														
	87832-5012	87832-5016	N.A	N.A	2														
	87832-5012	87832-5016	N.A	N.A	2	YES	N.A	YES	YES	YES	N.A							0.15	3.60±0.20
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. 4 - 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL. SEE SHEET 2.3.4.6.8812 EC NO: S2017-0022 DRW:GEMARLY 2016/03/22 CHKD:SCHEONG 2016/07/27 APPR:KHLIM 2016/07/28 REV DESCRIPTION QUALITY SYMBOLS GENERAL TOLERANCES (UNLESS SPECIFIED) DIMENSION STYLE SCALE DESIGN UNITS THIRD ANGLE PROJECTION 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS MM ONLY DRAWN BY DATE CHECKED BY DATE APPROVED BY DATE MATERIAL NO. SEE TABLE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION TITLE MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex DOCUMENT NO. SD-87832-0001 SHEET NO. 11 OF 12																			
										10	9	8	7	6	5	4	3	2	1

PACKAGING OPTIONS

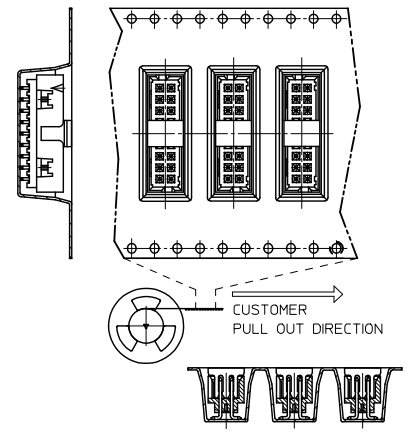
OPTION 1



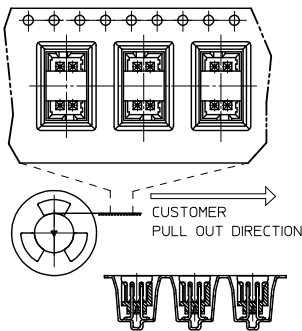
OPTION 2



OPTION 3



VIEW FOR 1 SIDE PILOT HOLE



PACKAGING SPECIFICATION TABLE

TAPE AND REEL PACKAGING	PK-87832-300
TUBE STANDARD PACKAGING	PK-87831-001
TUBE NON-STANDARD PACKAGING FOR: 87832-0411 87832-0824 87832-1072 87832-1412	PK-87831-002

EMBOSSED TAPE & REEL POCKET DESCRIPTIONS

OPTIONS	CENTER POLARIZATION OPTIONS		PEG OPTIONS		PILOT HOLE OPTIONS	
	ON THE LEFT	ON THE RIGH	WITH PEG	WITHOUT PEG	2 SIDES	1 SIDE
1	YES	N.A	YES	N.A	CKT 12-50	CKT 4-10
2	N.A	YES	YES	N.A	CKT 12-50	CKT 4-10
3	YES	N.A	N.A	YES	CKT 12-50	CKT 4-10

ADD PK TABLE EC NO: S2017-0022 DRAWN BY: GMEARLY 2016/03/22 CHKD: SCHEONG 2016/07/27 APPR: KHLIM 2016/07/28 A2	QUALITY SYMBOLS DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED) mmINCH 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		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			DRAWN BY GMEARLY		DATE 2015/05/22	TITLE MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex DOCUMENT NO. SD-87832-0001 SHEET NO. 12 OF 12		
			CHECKED BY CGOH		DATE 2015/09/21			
			APPROVED BY KHLIM		DATE 2015/09/22			
			MATERIAL NO. SEE TABLE					
			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			