

Excellent Integrated System Limited

Stocking Distributor

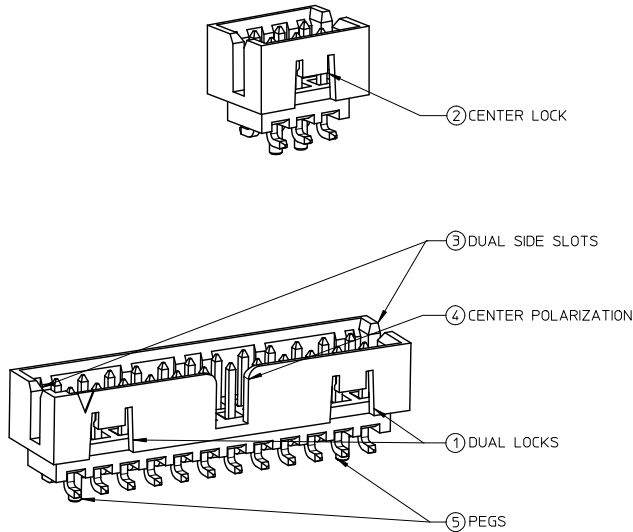
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[0878322622](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

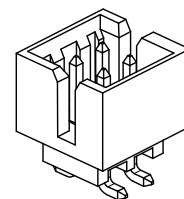
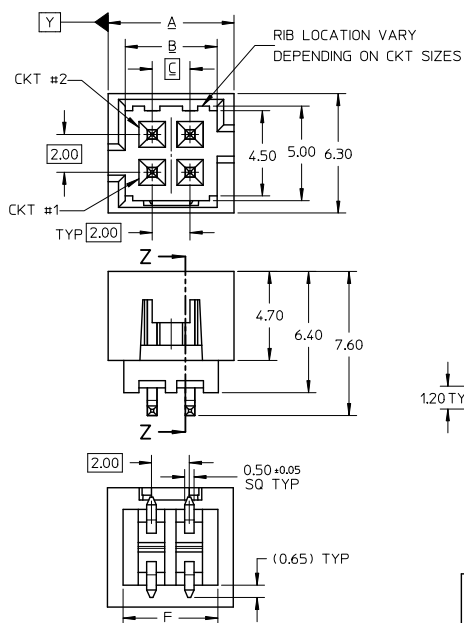
FEATURES SELECTION GUIDE



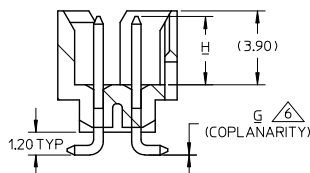
CIRCUIT SIZE	FEATURES					SHEET NO
	FRICTION LOCKS		③ DUAL SIDE SLOTS	④ CENTER POLARIZATION	⑤ PEGS	
	① DUAL	② CENTER				
4	N.A	N.A	YES	N.A	N.A	2 - 3
	N.A	YES	YES	N.A	N.A	
6	N.A	N.A	YES	N.A	N.A	4 - 5
	N.A	N.A	YES	N.A	YES	
	N.A	N.A	YES	YES	N.A	
	N.A	YES	YES	N.A	N.A	
	N.A	YES	YES	N.A	YES	
8 TO 12	N.A	N.A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

RELEASED EC NO: S2015-1435 DRAWN: MENARLY CHKD: CGOH APPR: KHL IM	2015/05/22	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex	DOCUMENT NO. SD-87832-0001	SHEET NO. 1 OF 12		
	2015/09/21				mm	INCH	DRAWN BY GMENARLY	DATE 2015/05/22								
	2015/09/21			√=0	4 PLACES	± ---	± ---	CHECKED BY CGOH	DATE 2015/09/21							
				√=0	3 PLACES	± ---	± ---									
				√=0	2 PLACES	± 0.20	± ---	APPROVED BY KHL IM	DATE 2015/09/22							
				√=0	1 PLACE	± ---	± ---									
				√=0	0 PLACE	± ---	± ---									
					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												

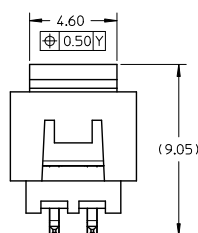
4 CIRCUITS



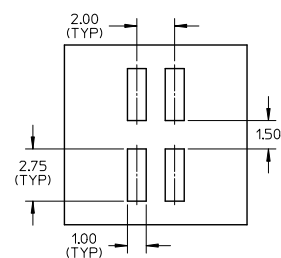
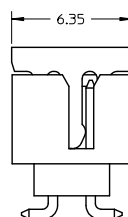
ISO VIEW OF HEADER
WITH ONLY DUAL SLOTS



SECTION Z-Z



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
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION:
 - TUBE: PK-87831-001, TAPE AND REEL: PK-87831-300
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. 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

RELEASED EC NO: S2015-1435 DRAWN: GEMARLY CHKD: GCH APPR: KHLIM	2015/05/22	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
	2015/09/21				mm	INCH	DRAWN BY GEMARLY	DATE 2015/05/22	TITLE MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex		
	2015/09/22			▽=0	4 PLACES ± --- ± ---		CHECKED BY GCH	DATE 2015/09/21			
				▽=0	3 PLACES ± --- ± ---		APPROVED BY KHLIM	DATE 2015/09/22			
				▽=0	2 PLACES ± 0.20 ± ---						
				1 PLACE ± --- ± ---							
				0 PLACE ± --- ± ---							
				ANGULAR ± 3 °			MATERIAL NO.		DOCUMENT NO.		SHEET NO.
				DRAFT WHERE APPLICABLE			SEE TABLE		SD-87832-0001		2 OF 12
				MUST REMAIN WITHIN DIMENSIONS			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 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	
4	87832-0460	87832-0462	87832-5162	1	1															
	87832-0420	87832-0422	87832-5122	1	2															
	87832-0421	87832-0423	87832-5123	1	3		N.A	N.A	YES	N.A	N.A							0.10		
	87832-0470	87832-0472	87832-5172	1	4															
	87832-0410	87832-0408	87832-0406	4	2		N.A	YES	YES	N.A	N.A							0.10		
	87832-0411	87832-0409	87832-0407	4	3															
E	87832-0404	N.A	N.A	N.A	2		N.A	YES	YES	N.A	N.A							0.10		

D																					D
C																					C
B																					B

PLATING OPTIONS:

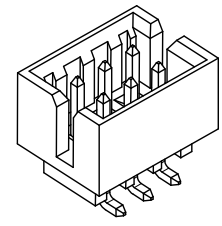
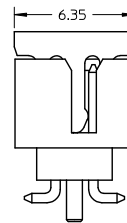
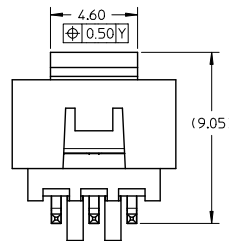
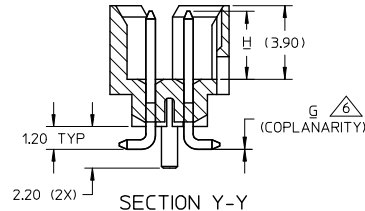
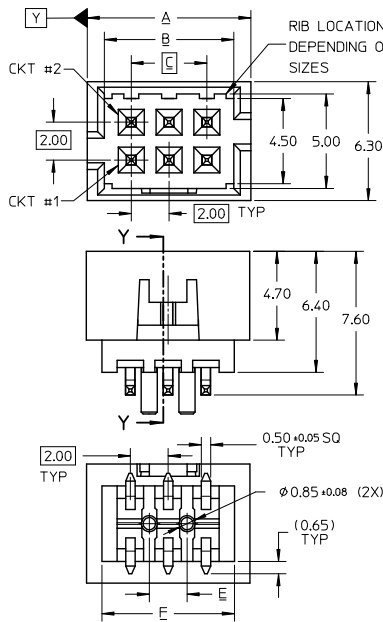
- 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
- 0.38um/15uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
- 0.76um/30uin MIN. GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
- 2.50um/100uin MIN. MATTE TIN OVER 1.25um/50uin MIN. NICKEL OVERALL.

RELEASED EC NO. S2015-1435 DRAWN BY GEMENARLY CHKD BY GCHXGCOGH APPR BY KHLIM	2015/05/22 2015/09/21 2015/09/22	QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		TITLE MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex
								MM ONLY		NTS	METRIC			
						mm	INCH	DRAWN BY	DATE					
				▽=0	4 PLACES	± ---	± ---	GEMENARLY	2015/05/22					
				▽=0	3 PLACES	± ---	± ---	CHECKED BY	DATE					
				▽=0	2 PLACES	± 0.20	± ---	GCHXGCOGH	2015/09/21					
		1 PLACE	± ---	± ---	APPROVED BY	DATE								
		0 PLACE	± ---	± ---	KHLIM	2015/09/22								
		ANGULAR ± 3 °				MATERIAL NO.		DOCUMENT NO.				SHEET NO.		
		DRAFT WHERE APPLICABLE				SEE TABLE		SD-87832-0001				3 OF 12		
A		MUST REMAIN WITHIN DIMENSIONS				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

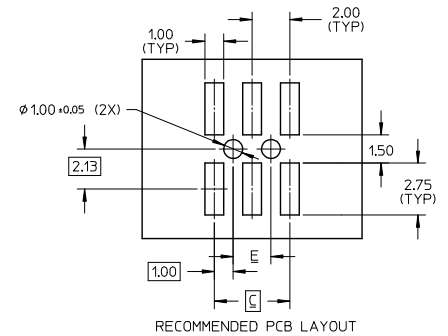
ib_frame_A3_P_AM_T
Rev. G 2012/01/11

9 8 7 6 5 4 3 2 1

6 CIRCUITS



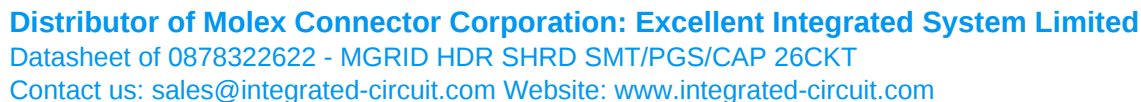
VIEW FOR HEADER WITH ONLY DUAL SLOTS



NOTES:

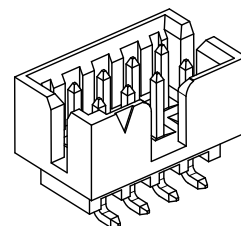
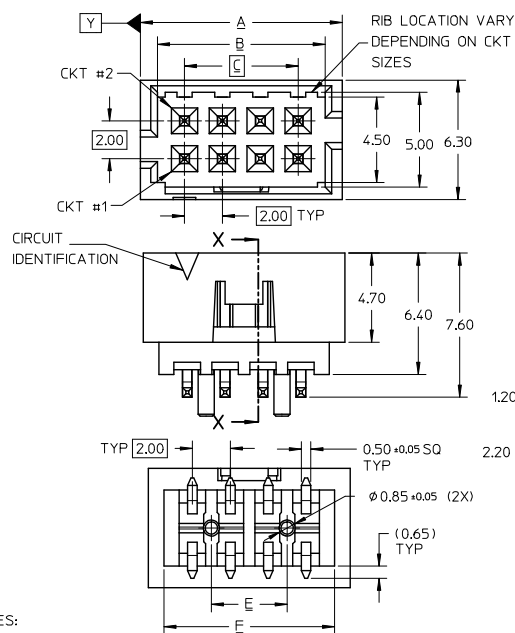
1. MATERIALS:
HOUSING & CAP: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION:
TUBE: PK-87831-001, TAPE AND REEL: PK-87831-300
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 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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8. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE

RELEASED		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: S2015-1435		DRAWN BY: GMENARLY		mm		MM ONLY		NTS		METRIC		◎	
2015/05/22		2015/09/21		INCH		DATE		DATE		DATE		DATE	
2015/09/21		2015/09/21		4 PLACES ± ---		DRAWN BY		2015/05/22		2015/05/22		2015/05/22	
2015/09/21		2015/09/21		3 PLACES ± ---		CHECKED BY		DATE		DATE		DATE	
2015/09/21		2015/09/21		2 PLACES ± 0.20		CGOH		2015/09/21		2015/09/21		2015/09/21	
2015/09/21		2015/09/21		1 PLACE ± ---		APPROVED BY		DATE		DATE		DATE	
2015/09/21		2015/09/21		0 PLACE ± ---		KHL IM		2015/09/22		2015/09/22		2015/09/22	
2015/09/22		2015/09/22		ANGULAR ± 3°		MATERIAL NO.		SEE TABLE		DOCUMENT NO.		SHEET NO.	
2015/09/22		2015/09/22		DRAFT WHERE APPLICABLE		SIZE		A3		SD-87832-0001		4 OF 12	
2015/09/22		2015/09/22		MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

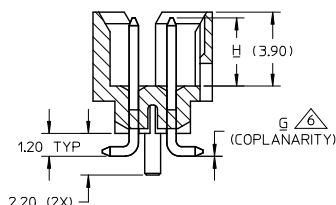


fb_frame_A3_P_AM_T
Rev. G 2012/01/11

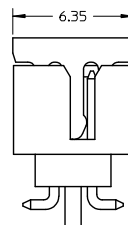
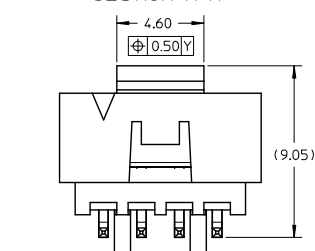
8 TO 12 CIRCUITS



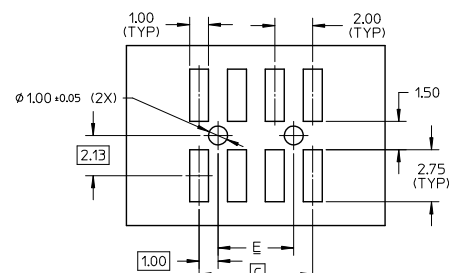
ISO VIEW OF HEADER WITH CENTER
POLARIZATION AND DUAL SIDE SLOTS



SECTION X-X



VIEW FOR HEADER WITH CAP



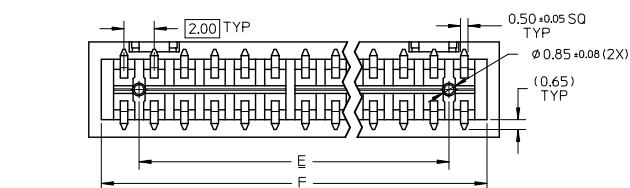
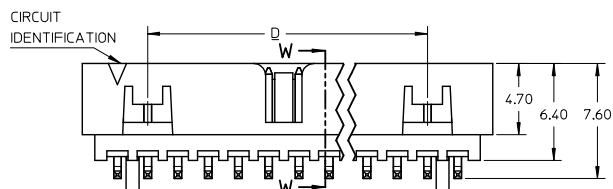
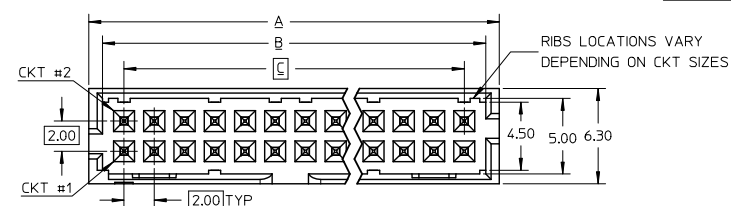
RECOMMENDED PCB LAYOUT

- NOTES:
1. MATERIALS:
HOUSING & CAP: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION:
TUBE: PK-87831-001, TAPE AND REEL: PK-87831-300
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AND CRIMP TERMINAL: 50394 SERIES
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8. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE

RELEASED DATE: 5/20/15 DRAWN: GEARLY CHKD: CGOH APPR: KHL IM	2015/05/22	DESCRIPTION 2015/09/21 2015/09/22	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			=0 =0 =0	mm INCH	DRAWN BY GMEARLY CHECKED BY CGOH APPROVED BY KHL IM	DATE 2015/05/22 DATE 2015/09/21 DATE 2015/09/21	TITLE MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex				
			4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± ---	ANGULAR ± 3°			MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87832-0001		SHEET NO. 6 OF 12
			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					

		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																																								
		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	4	2	N.A	YES	YES	YES	N.A							0.10	3.60±0.20																																								
		87832-0824	87832-0826	87832-0828	4	2																																																					
		87832-0825	87832-0827	87832-0829	4	3																																																					
		87832-0810	87832-0808	87832-0806	4	2																																																					
87832-0811	87832-0809	87832-0807	4	3	N.A	YES	YES	N.A	YES	0.10	3.60±0.20																																																
87832-0804	N.A	N.A	N.A	2								N.A	YES	YES	N.A	YES																																											
D	10	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																																								
		87832-1020	87832-1022	87832-5422	1	2																																																					
		87832-1021	87832-1023	87832-5423	1	3																																																					
		87832-1070	87832-1072	87832-5472	1															4																																							
		87832-1012	87832-1016	87832-1014	4	2	N.A	YES	YES	N.A	N.A							0.10	3.60±0.20																																								
		87832-1024	87832-1026	87832-1028	4	2																																																					
		87832-1025	87832-1027	87832-1029	4	3	N.A	YES	YES	N.A	YES									0.10	3.60±0.20																																						
		87832-1010	87832-1008	87832-1006	4	2																																																					
87832-1011	87832-1009	87832-1007	4	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																																											
C	12	87832-1260	87832-1262	87832-5562	1	1	N.A	N.A	YES			YES	YES	14.65	12.85	10.00	N.A	8.00	13.00	0.10	3.60±0.20																																						
		87832-1220	87832-1222	87832-5522	1	2																																																					
		87832-1221	87832-1223	87832-5523	1	3																																																					
		87832-1270	87832-1272	87832-5572	1	4																																																					
		87832-1224	87832-1226	87832-1228	1	2	N.A	YES	YES	N.A	N.A	0.10	3.60±0.15																																														
		87832-1225	87832-1227	87832-1229	1	3																																																					
		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																																																					
87832-1204	N.A	N.A	N.A	2	N.A	YES	YES	N.A	YES	0.10	3.60±0.20																																																
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.													A																																													
	<table><tr><td rowspan="4">RELEASED EC NO: S2015-1435 DRAWN BY: 2015/05/22 CHKD:CGH APPR:KHL IM 2015/09/22</td><td rowspan="4">REV</td><td rowspan="4">DESCRIPTION</td><td rowspan="4">QUALITY SYMBOLS</td><td colspan="3">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM ONLY</td><td>SCALE NTS</td><td>DESIGN UNITS METRIC</td><td rowspan="4"></td><td rowspan="4">THIRD ANGLE PROJECTION</td></tr><tr><td rowspan="3">mm</td><td rowspan="3">INCH</td><td rowspan="3">DRAWN BY GMENARLY</td><td rowspan="3">DATE 2015/05/22</td><td rowspan="3">TITLE MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER</td></tr><tr><td rowspan="2">CHECKED BY CGOH</td><td rowspan="2">DATE 2015/09/21</td></tr><tr><td>APPROVED BY KHL IM</td><td>DATE 2015/09/22</td></tr><tr><td colspan="4">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">MATERIAL NO. SEE TABLE</td><td colspan="2">DOCUMENT NO. SD-87832-0001</td><td colspan="2">SHEET NO. 7 OF 12</td></tr><tr><td colspan="14">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>														RELEASED EC NO: S2015-1435 DRAWN BY: 2015/05/22 CHKD:CGH APPR:KHL IM 2015/09/22	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 2015/05/22	TITLE MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER	CHECKED BY CGOH	DATE 2015/09/21	APPROVED BY KHL IM	DATE 2015/09/22	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87832-0001		SHEET NO. 7 OF 12		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
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tb_frame_A3_P_AM_T Rev. G 2012/01/11		9	8	7	6	5	4	3	2	1																																																	

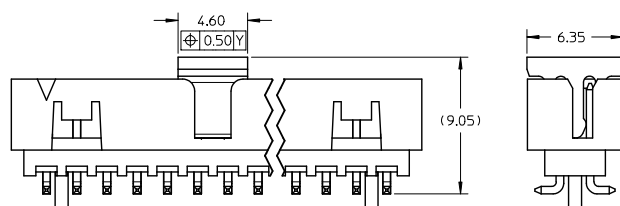
14 TO 50 CIRCUITS



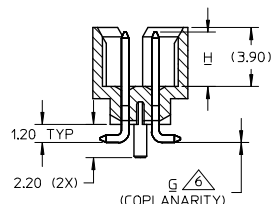
NOTES:

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:
 - TUBE: PK-87831-001 , TAPE AND REEL: PK-87831-300
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. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDERTAIL 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

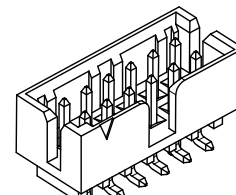
IONS VARY
ON CKT SIZES



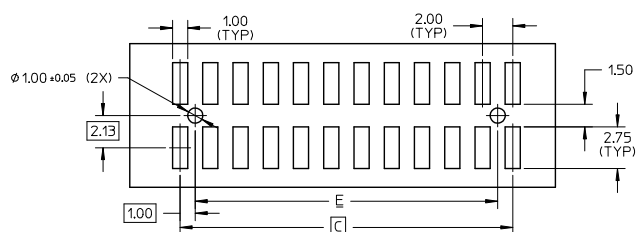
VIEW FOR HEADER WITH CAP



SECTION W-W



ISO VIEW OF HEADER WITH CENTER
POLARIZATION AND DUAL SIDE SLOTS



RECOMMENDED PCB LAYOUT

[illegible]

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	87832-5622	1	2														3.60±0.20	
	87832-1421	87832-1423	87832-5623	1	3														3.60±0.20	
	87832-1470	87832-1472	87832-5672	1	4														3.60±0.20	
	87832-1412	87832-1416	87832-1414	1	2														YES	N.A
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														3.60±0.20	
	87832-1621	87832-1623	87832-5723	1	3														3.60±0.20	
	87832-1670	87832-1672	87832-5772	1	4														3.60±0.20	
	87832-1612	87832-1616	87832-1614	1	2														YES	N.A
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														3.60±0.20	
	87832-1821	87832-1823	87832-5823	1	3														3.60±0.20	
	87832-1870	87832-1872	87832-5872	1	4														3.60±0.20	
	87832-1812	87832-1816	87832-1814	3	2														YES	N.A
87832-1813	87832-1817	87832-1815	3	3	YES	N.A	YES	YES	N.A	0.15	3.60±0.20									
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														3.60±0.20	
	87832-2021	87832-2023	87832-5923	1	3														3.60±0.20	
	87832-2070	87832-2072	87832-5972	1	4														3.60±0.20	
	87832-2012	87832-2016	87832-2014	1	2														YES	N.A
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														3.60±0.20	
	87832-2221	87832-2223	87832-6023	1	3														3.60±0.20	
	87832-2270	87832-2272	87832-6072	1	4														3.60±0.20	
	87832-2460	87832-2462	87832-6162	1	1														3	YES
87832-2420	87832-2422	87832-6122	1	2	3.60±0.20															
87832-2421	87832-2423	87832-6123	1	3	3.60±0.20															
87832-2470	87832-2472	87832-6172	1	4	3.60±0.20															
87832-2412	87832-2416	87832-2414	1	2	YES	N.A	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.																				
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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 GEMARLY 2015/05/22 CHECKED BY DATE GGOH 2015/09/21 APPROVED BY DATE KHLIM 2015/09/22 MATERIAL NO. SEE TABLE SIZE A3																				
SCALE NTS DESIGN UNITS METRIC THIRD ANGLE PROJECTION MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex DOCUMENT NO. SD-87832-0001 SHEET NO. 9 OF 12 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				
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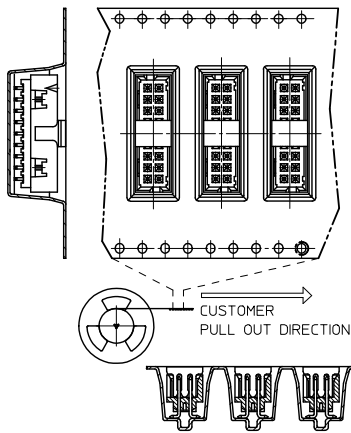


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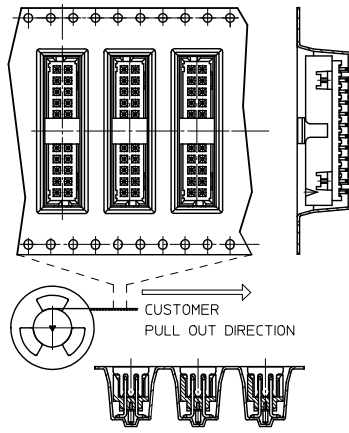
										10	9	8	7	6	5	4	3	2	1
40 TO 50 CIRCUITS																			
F	CKT SIZE	ASSY P/N WITHOUT CAP IN TUBE	ASSY P/N WITH CAP IN TUBE	ASSY P/N WITH CAP IN T&R	T&R OPTIONS (SEE SHEET 12)	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	PEGS	DIMENSION							
							DUAL	CENTER				A	B	C	D	E	F	G (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	YES	44.65	42.85	40.00	36.00	38.00	43.00	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	YES	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														
	87832-4660	87832-4662	87832-7262	1	1	YES	N.A	YES	YES	YES	YES	48.65	46.85	44.00	40.00	42.00	47.00	0.15	3.60±0.20
	87832-4620	87832-4622	87832-7222	1	2														
D	87832-4621	87832-4623	N.A	N.A	3														
	87832-4670	87832-4672	87832-7272	1	4	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
	87832-4860	87832-4862	N.A	N.A	1														
	87832-4820	87832-4822	N.A	N.A	2														
C	87832-4821	87832-4823	N.A	N.A	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
	87832-4870	87832-4872	N.A	N.A	4														
	87832-5060	87832-5062	87832-7462	1	1														
	87832-5020	87832-5022	87832-7422	1	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	87832-5021	87832-5023	87832-7423	1	3														
	87832-5070	87832-5072	87832-7472	1	4														
	87832-5012	87832-5016	N.A	N.A	2	YES	N.A	YES	YES	N.A	YES							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. RELEASED EC NO: S2015-1435 2015/05/22 2015/09/21 2015/09/22 DRW:GEMARLY CHKD:GGOH APPR:KLLIM 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 CHECKED BY DATE APPROVED BY DATE GMENARLY 2015/05/22 CGOH 2015/09/21 KHLIM 2015/09/22 SCALE NTS DESIGN UNITS METRIC THIRD ANGLE PROJECTION TITLE MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER molex MATERIAL NO. SEE TABLE DOCUMENT NO. SD-87832-0001 SHEET NO. 11 OF 12 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
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PACKAGING OPTIONS

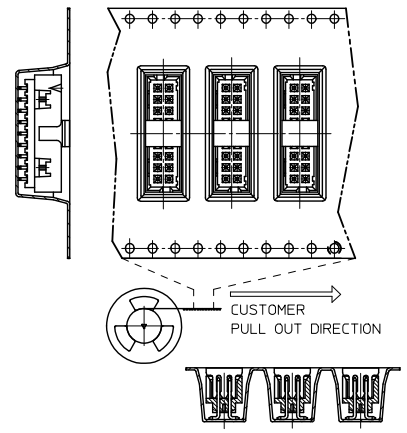
OPTION 1



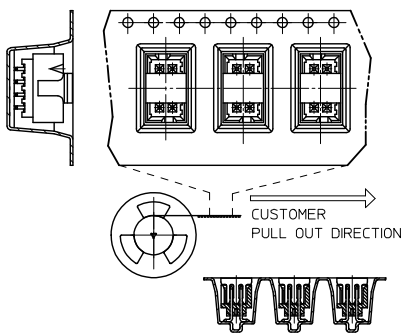
OPTION 2



OPTION 3



OPTION 4



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	YES	N.A
2	N.A	YES	YES	N.A	YES	N.A
3	YES	N.A	N.A	YES	YES	N.A
4	YES	N.A	YES	N.A	N.A	YES

RELEASED	EC NO: S2015-1435	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.
A		CHYD:CGOH	2015/09/21	CHYD:CGOH	2015/09/21	KHLIM	2015/09/22			12 OF 12

QUALITY SYMBOLS
 $\nabla=0$
 $\nabla=0$
 $\nabla=0$

GENERAL TOLERANCES (UNLESS SPECIFIED)
 4 PLACES $\pm$ --- $\pm$ ---
 3 PLACES $\pm$ --- $\pm$ ---
 2 PLACES ± 0.20 $\pm$ ---
 1 PLACE $\pm$ --- $\pm$ ---
 0 PLACE $\pm$ --- $\pm$ ---
 ANGULAR $\pm 3^\circ$

DRAFT WHERE APPLICABLE
 MUST REMAIN
 WITHIN DIMENSIONS

DIMENSION STYLE
 MM ONLY
 DRAWN BY DATE
 GMENARLY 2015/05/22
 CHECKED BY DATE
 CGOH 2015/09/21
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SCALE
 NTS
 DESIGN UNITS
 METRIC
 THIRD ANGLE
 PROJECTION
 MILLIGRID
 2MM PITCH, SMT
 VERTICAL SHROUDED HEADER
molex
 SD-87832-0001