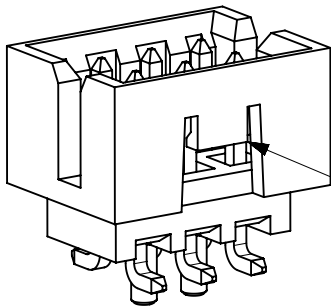
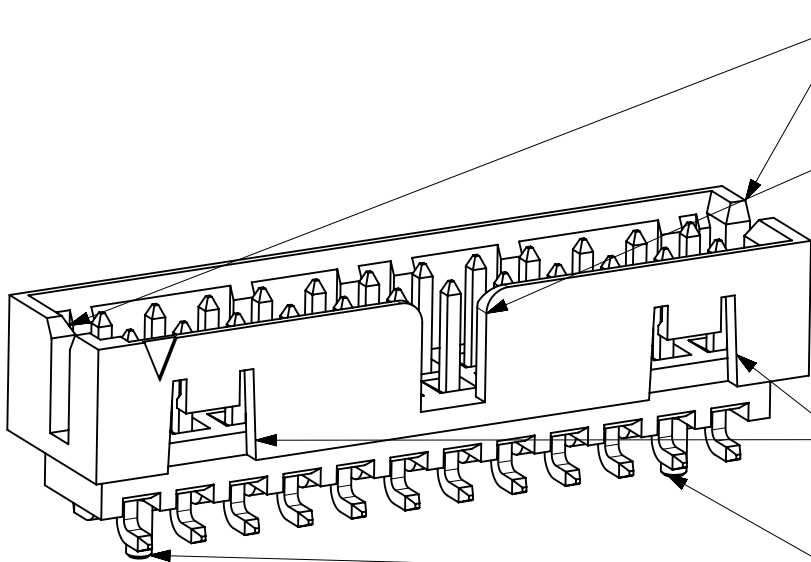


FEATURES SELECTION GUIDE



2 CENTER LOCK



3 DUAL SIDE SLOTS

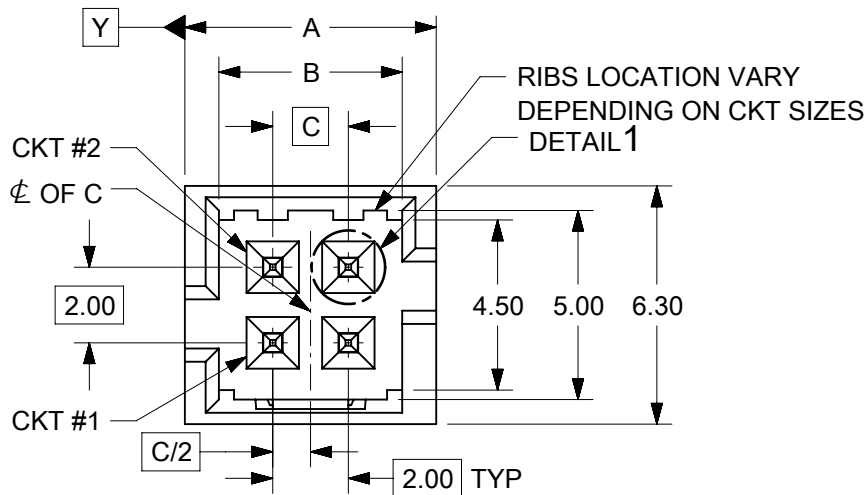
4 CENTER POLARIZATION

1 DUAL LOCKS

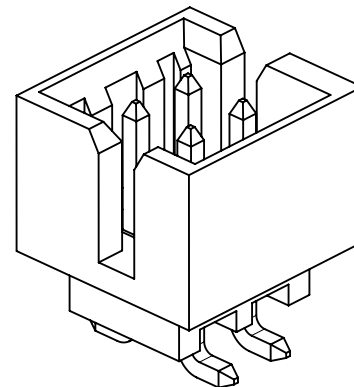
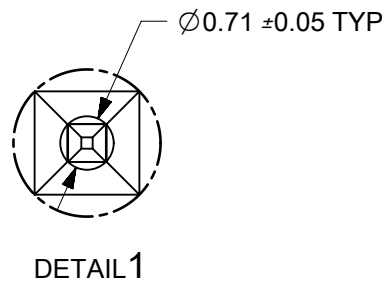
5 PEGS

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

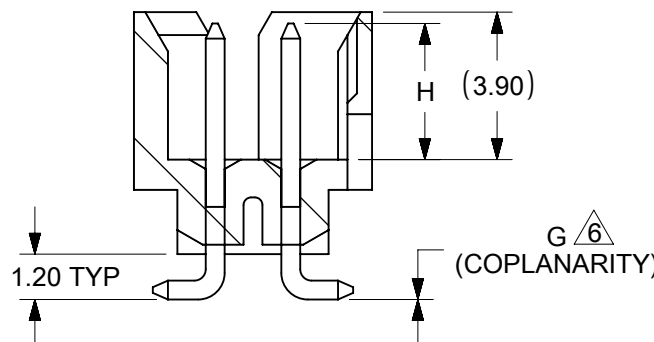
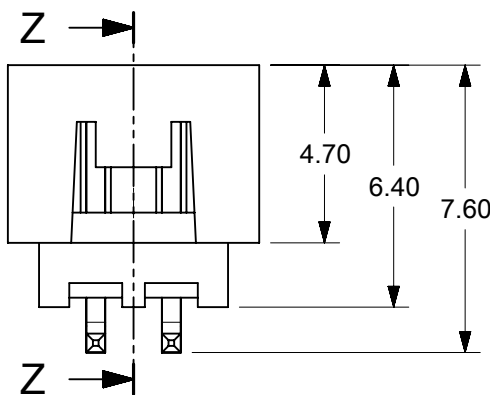
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
SHT 8 ADDED DATUM Y EC NO: 601748 DRWN: SCS02 CHK'D: ISHWARG APPR: ISHWARG	2018/07/20 2018/07/31 2018/07/31	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		<div>molex®</div> <div>MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER</div>				
			MM	INCH	DRWN BY		DATE						
		4 PLACES	±	±	GMENARLY		2015/05/22						
		3 PLACES	±	±	CHK'D BY		DATE						
		2 PLACES	± 0.2	±	CGOH		2015/09/21						
		1 PLACES	±	±	APPR BY		DATE		PRODUCT CUSTOMER DRAWING				
		0 PLACES	±	±	KHLIM		2015/09/22						
		ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION						SERIES
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3				87832	SEE TABLE		GENERAL MARKET	
									DOCUMENT NUMBER		DOC TYPE		DOC PART
A10		REV	SD-87832-0001PSD0011 OF 12										



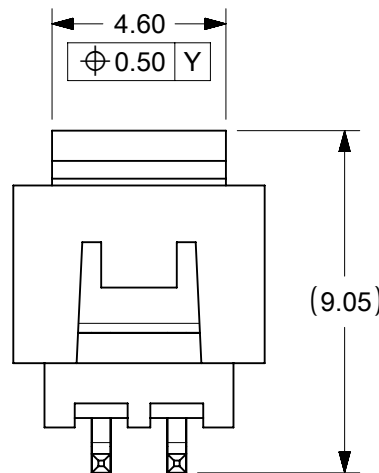
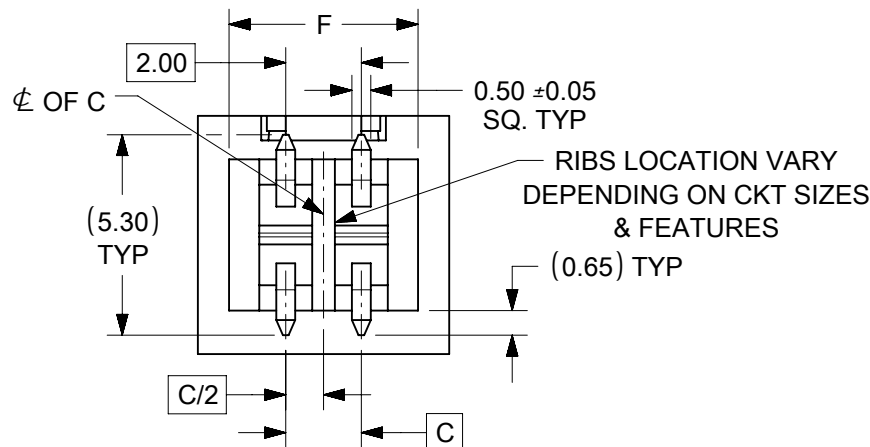
4 CIRCUITS



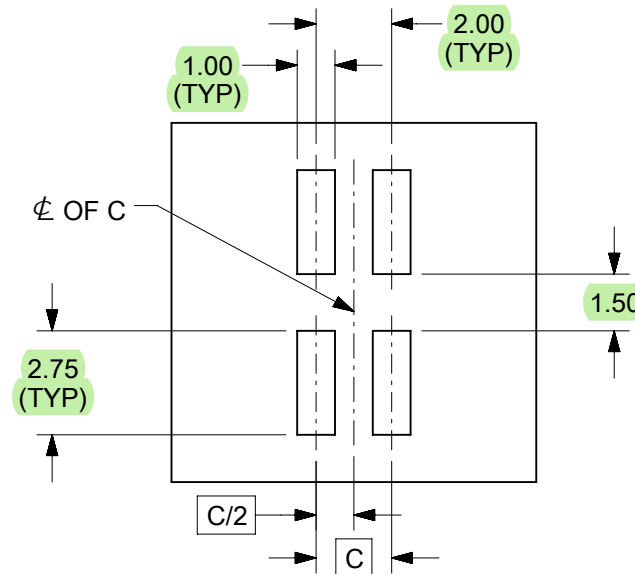
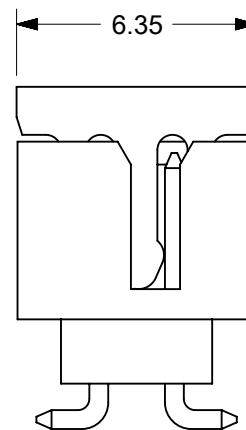
ISO VIEW OF HEADER WITH ONLY DUAL SLOTS



SECTION Z-Z




VIEW FOR HEADER WITH CAP



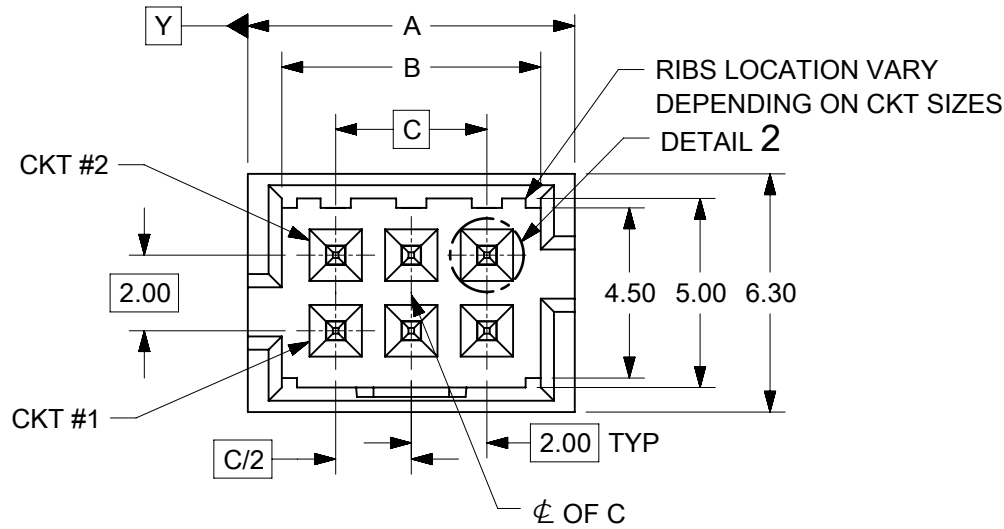
RECOMMENDED PCB LAYOUT

NOTES:

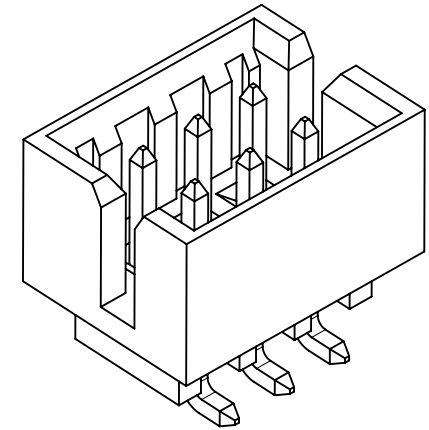
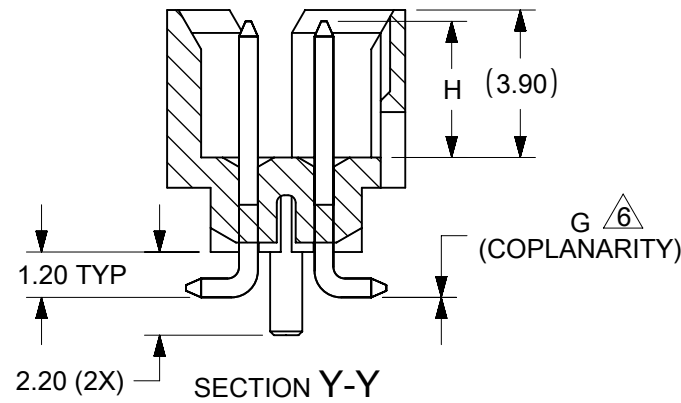
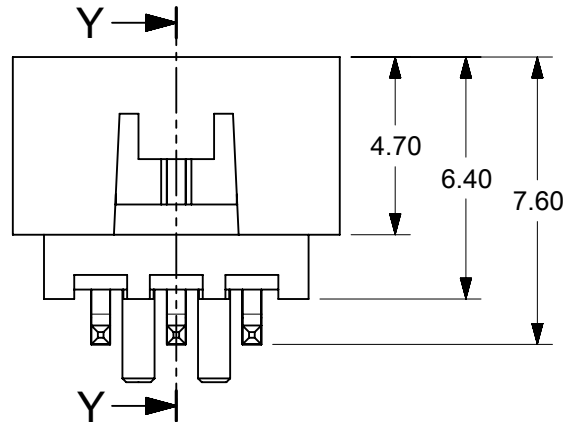
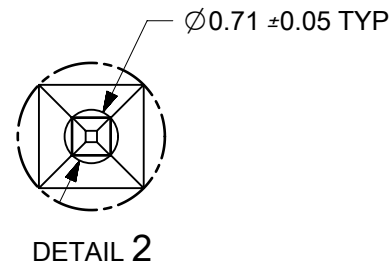
1. MATERIALS:  
HOUSING & CAP: 30% GF, NYLON, UL94V-0, COLOR: BLACK  
PIN: 0.50mm SQ. PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 12
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 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)
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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		
SHT 8 ADDED DATUM Y EC NO: 601748 DRWN: SCS02 CHK'D: ISHWARG APP'R: ISHWARG	2018/07/20 2018/07/31 2018/07/31	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS  MM		SCALE  NTS		<div>molex®</div>  MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER									
			MM	INCH	DRWN BY  GMENARLY		DATE  2015/05/22											
		4 PLACES	±	±	CHK'D BY  CGOH		DATE  2015/09/21											
			3 PLACES	±	±	APPR BY  KHLIM		DATE  2015/09/22		PRODUCT CUSTOMER DRAWING								
			2 PLACES	± 0.2	±	DRAWING SIZE  A3		THIRD ANGLE PROJECTION 						SERIES  87832	MATERIAL NUMBER  SEE TABLE		CUSTOMER  GENERAL MARKET	
			1 PLACES	±	±									DOCUMENT NUMBER  SD-87832-0001				DOC TYPE  PSD
			0 PLACES	±	±	ANGULAR TOL ± 3.0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										

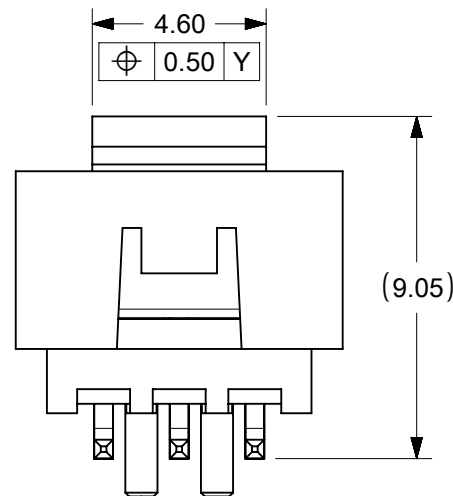
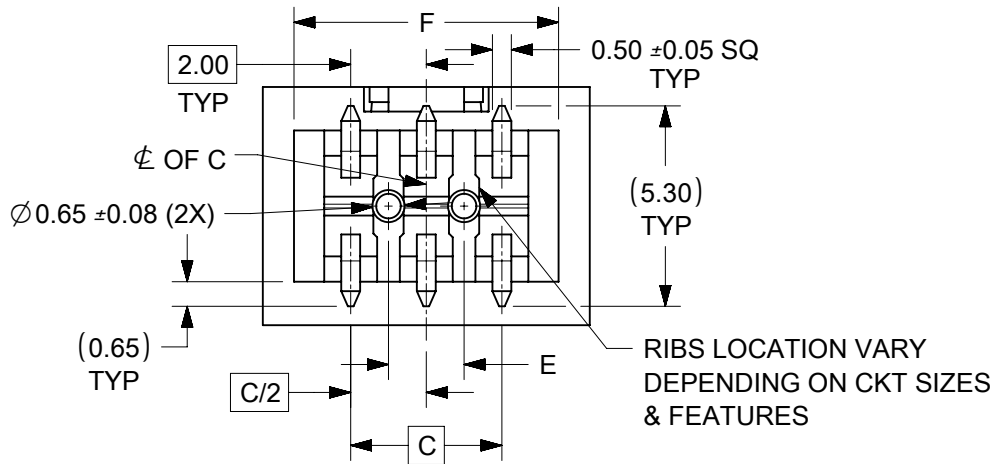




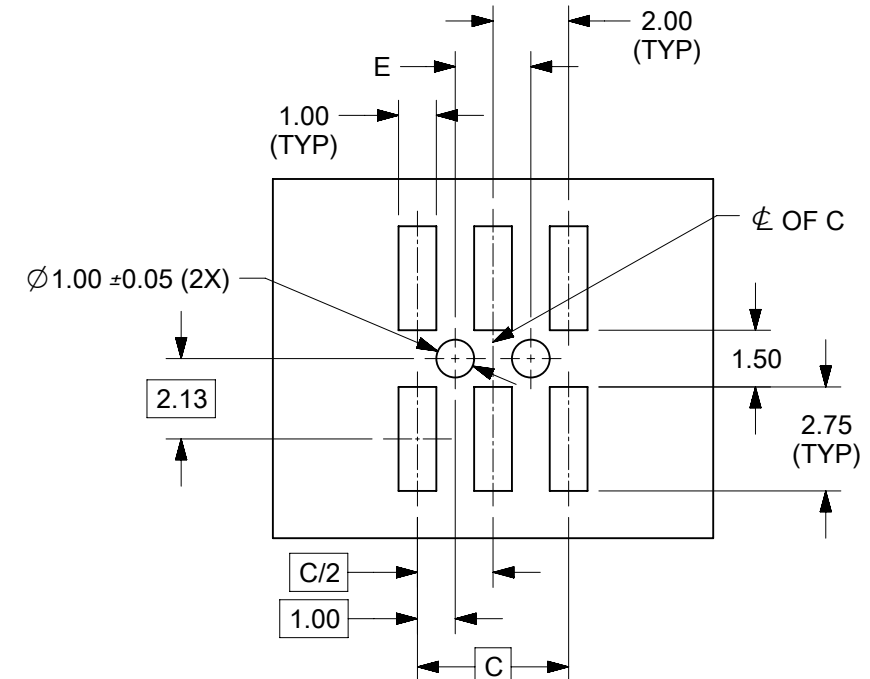
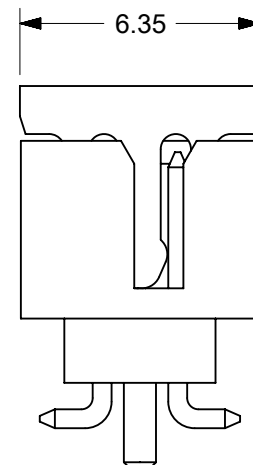
## 6 CIRCUITS



VIEW FOR HEADER WITH ONLY DUAL SLOTS



VIEW FOR HEADER WITH CAP



RECOMMENDED PCB LAYOUT

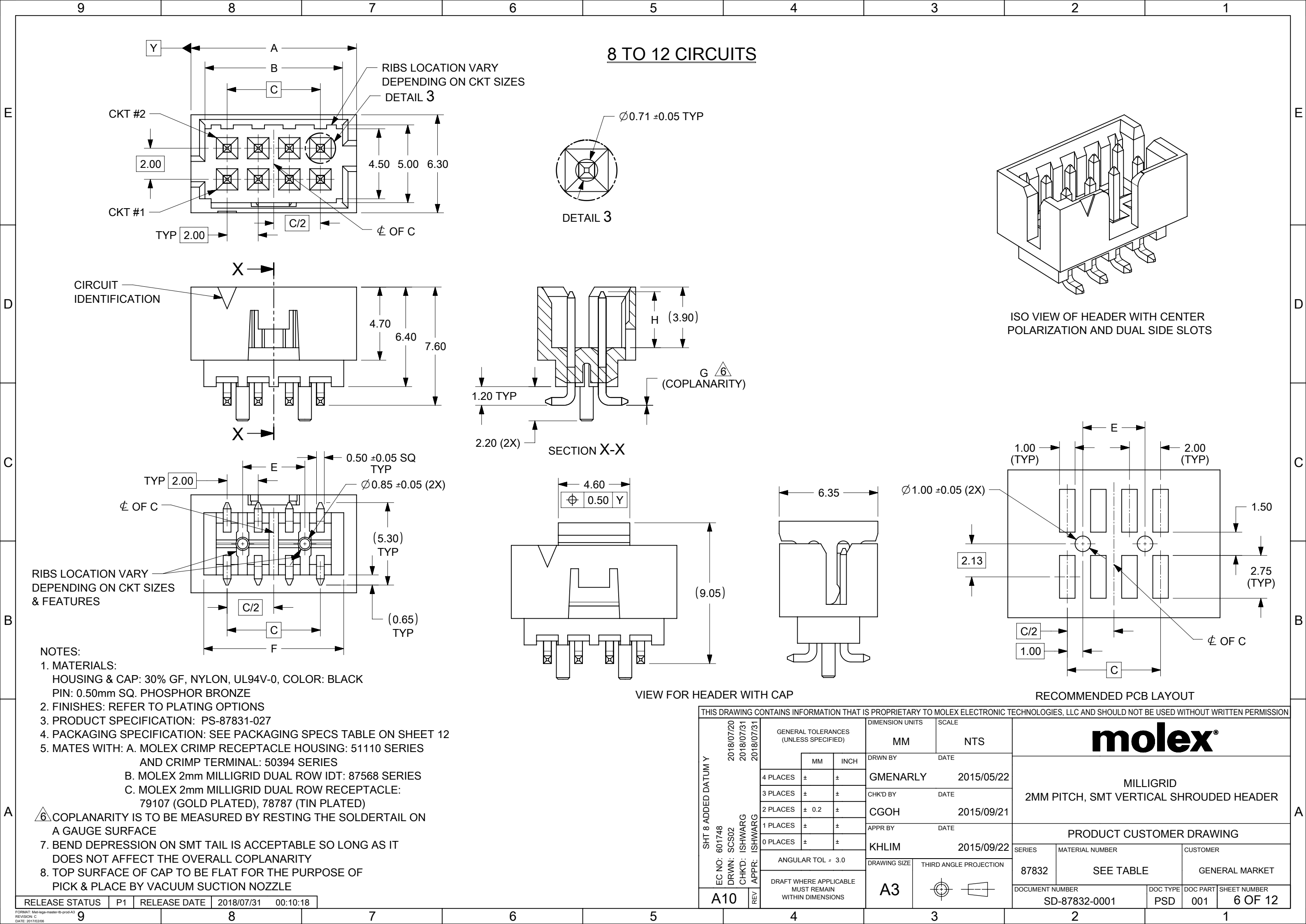
### NOTES:

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: 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)
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

RELEASE STATUS	P1	RELEASE DATE	2018/07/31	00:10:18
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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
SHT 8 ADDED DATUM Y EC NO: 601748 DRWN: SCS02 CHKD: ISHWARG REV APPR: ISHWARG	2018/07/20 2018/07/31 2018/07/31	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		<div>molex®</div>							
					MM		NTS									
		4 PLACES			MM	INCH	DRWN BY		DATE		MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER					
					±	±	GMENARLY		2015/05/22							
		3 PLACES			±	±	CHK'D BY		DATE		PRODUCT CUSTOMER DRAWING					
					±	±	CGOH		2015/09/21							
		2 PLACES			± 0.2	±	APPR BY		DATE		SERIES					
					±	±	KHLIM		2015/09/22							
		1 PLACES			±	±	DRAWING SIZE		THIRD ANGLE PROJECTION		87832		MATERIAL NUMBER		CUSTOMER	
					ANGULAR TOL ± 3.0											
0 PLACES			±	±	A3				DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS													
A10		REV	SD-87832-0001													
			PSD													
			001													
			4 OF 12													





9		8		7		6		5		4		3		2		1			
8 TO 12 CIRCUITS																			
E	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
	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	1	2	N.A	N.A	YES	YES	N.A							0.10	3.60±0.20
		87832-0824	87832-0826	87832-0828	1	2	N.A	YES	YES	N.A	N.A								
		87832-0825	87832-0827	87832-0829	1	3													
		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														
87832-0804	N.A	N.A	N.A	2	N.A	YES	YES	N.A	YES	0.10	3.60±0.20								
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													
				87832-9423	2														
		87832-1070	87832-1072	87832-5472	1	4	N.A	N.A	YES	YES	N.A							0.10	3.60±0.20
		87832-1012	87832-1016	87832-1014	1	2	N.A	YES	YES	N.A	N.A								
		87832-1024	87832-1026	87832-1028	1	2													
		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													
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			
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													
				87832-9623	2														
		87832-1270	87832-1272	87832-5572	1	4	N.A	YES	YES	N.A	N.A							0.10	3.60±0.15
		87832-1224	87832-1226	87832-1228	1	2													
		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													
		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					
87832-1212	N.A	N.A	N.A	2	N.A	N.A	YES	YES	YES	N.A	0.10	3.60±0.20							
<div>PLATING OPTIONS: 1 - 0.05-0.13µm/2-5µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL. 2 - 0.38µm/15µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL. 3 - 0.76µm/30µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL. 4 - 2.50µm/100µin MIN. MATTE TIN OVER 1.25µm/50µin MIN. NICKEL OVERALL.</div>																			
RELEASE STATUS		P1	RELEASE DATE		2018/07/31 00:10:18														
9		8		7		6		5		4		3		2		1			

SHT 8 ADDED DATUM Y

EC NO: 601748

DRWN: SCS02

CHK'D: ISHWARG

REV APPR: ISHWARG

2018/07/20

2018/07/31

2018/07/31

GENERAL TOLERANCES  
(UNLESS SPECIFIED)

MM

INCH

4 PLACES

±

±

3 PLACES

±

±

2 PLACES

± 0.2

±

1 PLACES

±

±

0 PLACES

±

±

ANGULAR TOL = 3.0

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION UNITS

MM

SCALE

NTS

DRWN BY

DATE

GMENARLY

2015/05/22

CHK'D BY

DATE

CGOH

2015/09/21

APPR BY

DATE

KHLIM

2015/09/22

DRAWING SIZE

A3

THIRD ANGLE PROJECTION

molex®

MILLIGRID  
2MM PITCH, SMT VERTICAL SHROUDED HEADER

PRODUCT CUSTOMER DRAWING

SERIES

87832

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

DOCUMENT NUMBER

SD-87832-0001

DOC TYPE

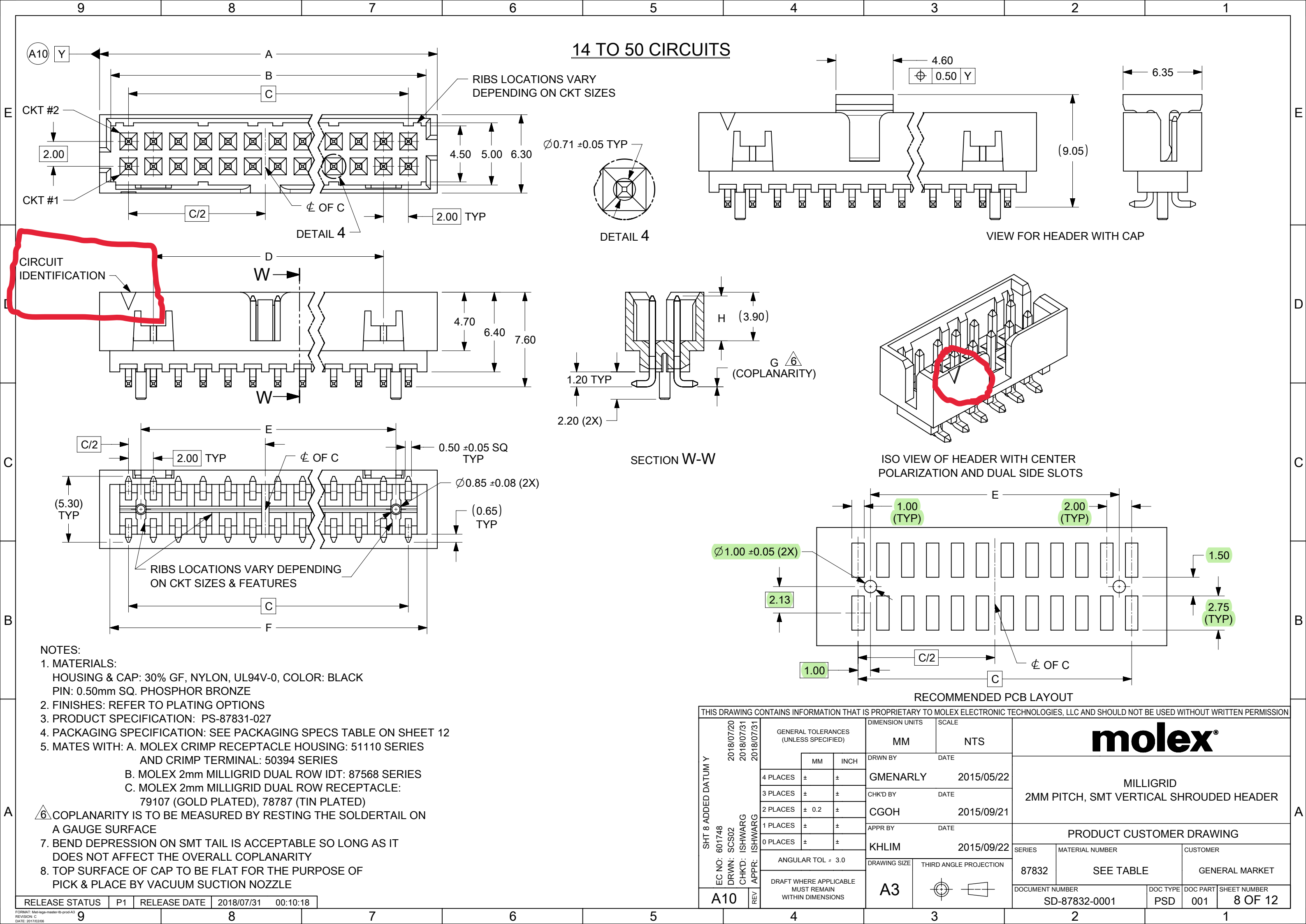
PSD

DOC PART

001

SHEET NUMBER

7 OF 12





9		8		7		6		5		4		3		2		1																			
14 TO 24 CIRCUITS																																			
E	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																
14	87832-1460	87832-1462	87832-5662	1	1	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																														
	87832-1421	87832-1423	87832-5623	1	3																														
			87832-9523	2																															
	87832-1470	87832-1472	87832-5672	1	4																														
87832-1412	87832-1416	87832-1414	1	2	YES	N.A	YES	YES	N.A							0.15	3.60±0.20																		
D	16	87832-1660	87832-1662	87832-5762	1	1	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	3																													
		87832-1670	87832-1672	87832-5772	1	4																													
		87832-1612	87832-1616	87832-1614	1	2														YES	N.A	YES	YES	N.A							0.15	3.60±0.20			
C	18	87832-1860	87832-1862	87832-5862	1	1	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	3																													
		87832-1870	87832-1872	87832-5872	1	4																													
		87832-1812	87832-1816	87832-1814	3	2														YES	N.A	YES	YES	N.A						0.15	3.60±0.20				
		87832-1813	87832-1817	87832-1815	3	3														YES	N.A	YES	YES	N.A							0.15	3.60±0.20			
B	20	87832-2060	87832-2062	87832-5962	1	1	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	3																													
		87832-2070	87832-2072	87832-5972	1	4																													
				87832-9672	2																														
		87832-2012	87832-2016	87832-2014	1	2														YES	N.A	YES	YES	N.A							0.15	3.60±0.20			
A	22	87832-2260	87832-2262	87832-6062	1	1	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																													
A	24	87832-2460	87832-2462	87832-6162	1	1	YES	N.A	YES	YES	YES	26.65	24.85	22.00	18.00	20.00	25.00	0.15	3.60±0.20																
		87832-2420	87832-2422	87832-6122	1	2																													
		87832-2421	87832-2423	87832-6123	1	3																													
		87832-2470	87832-2472	87832-6172	1	4																													
		87832-2412	87832-2416	87832-2414	1	2														YES	N.A	YES	YES	N.A							0.15	3.60±0.20			
<div><div><div>PLATING OPTIONS:</div><div>1 - 0.05-0.13µm/2-5µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL. 2 - 0.38µm/15µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL. 3 - 0.76µm/30µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL. 4 - 2.50µm/100µin MIN. MATTE TIN OVER 1.25µm/50µin MIN. NICKEL OVERALL.</div></div></div> <div><div><div>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</div><div><div><div>SHT 8 ADDED DATUM Y</div><div>EC NO: 601748</div><div>DRWN: SCS02</div><div>CHK'D: ISHWARG</div><div>REV APPR: ISHWARG</div><div>2018/07/20</div><div>2018/07/31</div><div>2018/07/31</div></div><div><div>GENERAL TOLERANCES (UNLESS SPECIFIED)</div><div><div>MM</div><div>INCH</div><div>4 PLACES ± ±</div><div>3 PLACES ± ±</div><div>2 PLACES ± 0.2 ±</div><div>1 PLACES ± ±</div><div>0 PLACES ± ±</div></div><div>ANGULAR TOL ± 3.0</div><div>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</div></div><div><div>DIMENSION UNITS</div><div>MM</div><div>SCALE</div><div>NTS</div><div>DRWN BY</div><div>DATE</div><div>GMENARLY</div><div>2015/05/22</div><div>CHK'D BY</div><div>DATE</div><div>CGOH</div><div>2015/09/21</div><div>APPR BY</div><div>DATE</div><div>KHLIM</div><div>2015/09/22</div><div>DRAWING SIZE</div><div>A3</div><div>THIRD ANGLE PROJECTION</div><div></div></div><div><div>molex®</div><div>MILLIGRID</div><div>2MM PITCH, SMT VERTICAL SHROUDED HEADER</div><div>PRODUCT CUSTOMER DRAWING</div><div><div>SERIES</div><div>87832</div><div>MATERIAL NUMBER</div><div>SEE TABLE</div><div>CUSTOMER</div><div>GENERAL MARKET</div></div><div><div>DOCUMENT NUMBER</div><div>SD-87832-0001</div><div>DOC TYPE</div><div>PSD</div><div>DOC PART</div><div>001</div><div>SHEET NUMBER</div><div>9 OF 12</div></div></div></div></div><div><div>RELEASE STATUS</div><div>P1</div><div>RELEASE DATE</div><div>2018/07/31</div><div>00:10:18</div></div></div> <tr><td colspan="2">9</td><td colspan="2">8</td><td colspan="2">7</td><td colspan="2">6</td><td colspan="2">5</td><td colspan="2">4</td><td colspan="2">3</td><td colspan="2">2</td><td colspan="2">1</td></tr>																		9		8		7		6		5		4		3		2		1	
9		8		7		6		5		4		3		2		1																			

9		8		7		6		5		4		3		2		1		
26 TO 38 CIRCUITS																		
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
26	87832-2660	87832-2662	87832-6262	1	1	YES	N.A	YES	YES	YES	28.65	26.85	24.00	20.00	22.00	27.00	0.15	3.60±0.20
	87832-2620	87832-2622	87832-6222	1	2													
	87832-2621	87832-2623	87832-6223	1	3													
	87832-2670	87832-2672	87832-6272	1	4													
	87832-2612	87832-2616	N.A	N.A	2	YES	N.A	YES	YES	N.A							0.15	3.60±0.20
28	87832-2860	87832-2862	87832-6362	1	1	YES	N.A	YES	YES	YES	30.65	28.85	26.00	22.00	24.00	29.00	0.15	3.60±0.20
	87832-2820	87832-2822	87832-6322	1	2													
	87832-2821	87832-2823	87832-6323	1	3													
	87832-2870	87832-2872	87832-6372	1	4													
	N.A	87832-2816	N.A	1	2	YES	N.A	YES	YES	N.A								
	N.A	87832-2819	N.A	1	1													
30	87832-3060	87832-3062	87832-6462	1	1	YES	N.A	YES	YES	YES	32.65	30.85	28.00	24.00	26.00	31.00	0.15	3.60±0.20
	87832-3020	87832-3022	87832-6422	1	2													
	87832-3021	87832-3023	87832-6423	1	3													
	87832-3070	87832-3072	87832-6472	1	4													
	87832-3012	87832-3016	87832-3014	3	2	YES	N.A	YES	YES	N.A							0.15	3.60±0.20
32	87832-3260	87832-3262	87832-6562	1	1	YES	N.A	YES	YES	YES	34.65	32.85	30.00	26.00	28.00	33.00	0.15	3.60±0.20
	87832-3220	87832-3222	87832-6522	1	2													
	87832-3221	87832-3223	87832-6523	1	3													
	87832-3270	87832-3272	87832-6572	1	4													
34	87832-3460	87832-3462	87832-6662	1	1	YES	N.A	YES	YES	YES	36.65	34.85	32.00	28.00	30.00	35.00	0.15	3.60±0.20
	87832-3420	87832-3422	87832-6622	1	2													
	87832-3421	87832-3423	87832-6623	1	3													
	87832-3470	87832-3472	87832-6672	1	4													
	87832-3412	87832-3416	87832-3414	3	2	YES	N.A	YES	YES	N.A							0.15	3.60±0.20
36	87832-3660	87832-3662	N.A	N.A	1	YES	N.A	YES	YES	YES	38.65	36.85	34.00	30.00	32.00	37.00	0.15	3.60±0.20
	87832-3620	87832-3622	N.A	N.A	2													
	87832-3621	87832-3623	N.A	N.A	3													
	87832-3670	87832-3672	N.A	N.A	4													
38	87832-3860	87832-3862	N.A	N.A	1	YES	N.A	YES	YES	YES	40.65	38.85	36.00	32.00	34.00	39.00	0.15	3.60±0.20
	87832-3820	87832-3822	87832-6822	N.A	2													
	87832-3821	87832-3823	N.A	N.A	3													
	87832-3870	87832-3872	N.A	N.A	4													
<div>PLATING OPTIONS: 1 - 0.05-0.13µm/2-5µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL. 2 - 0.38µm/15µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL. 3 - 0.76µm/30µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL. 4 - 2.50µm/100µin MIN. MATTE TIN OVER 1.25µm/50µin MIN. NICKEL OVERALL.</div> <div>RELEASE STATUS   P1   RELEASE DATE   2018/07/31 00:10:18</div>																		
9		8		7		6		5		4		3		2		1		

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SHT 8 ADDED DATUM Y EC NO: 601748 DRWN: SCS02 CHK'D: ISHWARG REV APPR: ISHWARG	2018/07/20 2018/07/31 2018/07/31	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®									
			MM	INCH	MM		NTS											
		4 PLACES	±		±	DRWN BY		DATE		MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER								
		3 PLACES	±		±	GMENARLY		2015/05/22										
		2 PLACES	±	0.2	±	CHK'D BY		DATE		PRODUCT CUSTOMER DRAWING								
		1 PLACES	±		±	CGOH		2015/09/21										
		0 PLACES	±		±	APPR BY		DATE		SERIES   MATERIAL NUMBER   CUSTOMER								
		ANGULAR TOL ± 3.0			KHLIM		2015/09/22											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRAWING SIZE		THIRD ANGLE PROJECTION		87832		SEE TABLE			GENERAL MARKET						
A10		REV				A3				DOCUMENT NUMBER			DOC TYPE		DOC PART		SHEET NUMBER	
										SD-87832-0001			PSD		001		10 OF 12	

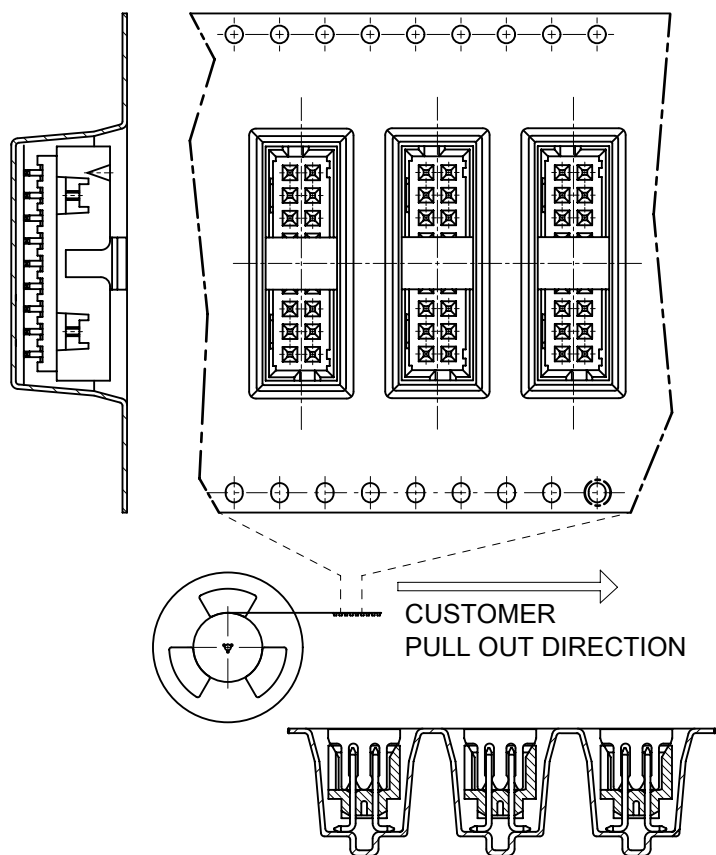
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40 TO 50 CIRCUITS																			
E	40	87832-4060	87832-4062	87832-6962	1	1	YES	N.A	YES	YES	YES	42.65	40.85	38.00	34.00	36.00	41.00	0.15	3.60±0.20
		87832-4020	87832-4022	87832-6922	1	2													
		87832-4021	87832-4023	87832-6923	1	3													
		87832-4070	87832-4072	87832-6972	1	4													
		87832-4012	87832-4016	N.A	N.A	2	YES	N.A	YES	YES	N.A								0.15
D	42	87832-4260	87832-4262	N.A	N.A	1	YES	N.A	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													
		87832-4270	87832-4272	N.A	N.A	4													
D	44	87832-4460	87832-4462	87832-7162	1	1	YES	N.A	YES	YES	YES	46.65	44.85	42.00	38.00	40.00	45.00	0.15	3.60±0.20
		87832-4420	87832-4422	87832-7122	1	2													
		87832-4421	87832-4423	87832-7123	1	3													
		87832-4470	87832-4472	87832-7172	1	4													
		87832-4413	87832-4417	87832-4415	3	3	YES	N.A	YES	YES	N.A								0.15
C	46	87832-4660	87832-4662	87832-7262	1	1	YES	N.A	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													
		87832-4621	87832-4623	N.A	N.A	3													
		87832-4670	87832-4672	87832-7272	1	4													
C	48	87832-4860	87832-4862	N.A	N.A	1	YES	N.A	YES	YES	YES	50.65	48.85	46.00	42.00	44.00	49.00	0.15	3.60±0.20
		87832-4820	87832-4822	N.A	N.A	2													
		87832-4821	87832-4823	N.A	N.A	3													
		87832-4870	87832-4872	N.A	N.A	4													
B	50	87832-5060	87832-5062	87832-7462	1	1	YES	N.A	YES	YES	YES	52.65	50.85	48.00	44.00	46.00	51.00	0.15	3.60±0.20
		87832-5020	87832-5022	87832-7422	1	2													
		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								0.15
<div><div><div>PLATING OPTIONS:</div><div>1 - 0.05-0.13µm/2-5µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.</div><div>2 - 0.38µm/15µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.</div><div>3 - 0.76µm/30µin MIN. GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.</div><div>4 - 2.50µm/100µin MIN. MATTE TIN OVER 1.25µm/50µin MIN. NICKEL OVERALL.</div></div><div><div>RELEASE STATUS</div><div>P1</div><div>RELEASE DATE</div><div>2018/07/31</div><div>00:10:18</div></div></div>																			
9		8		7		6		5		4		3		2		1			

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SHT 8 ADDED DATUM Y	EC NO: 601748 DRWN: SCS02 CHK'D: ISHWARG APPR: ISHWARG	2018/07/20 2018/07/31 2018/07/31	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		<div>molex®</div>							
						MM		NTS									
				MM	INCH	DRWN BY		DATE		MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER							
			4 PLACES	±	±	GMENARLY		2015/05/22									
			3 PLACES	±	±	CHK'D BY		DATE									
			2 PLACES	± 0.2	±	CGOH		2015/09/21									
			1 PLACES	±	±	APPR BY		DATE		PRODUCT CUSTOMER DRAWING							
			0 PLACES	±	±	KHLIM		2015/09/22									
ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER			CUSTOMER					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3				87832		SEE TABLE			GENERAL MARKET					
						DOCUMENT NUMBER				DOC TYPE		DOC PART	SHEET NUMBER				
						SD-87832-0001				PSD		001	11 OF 12				

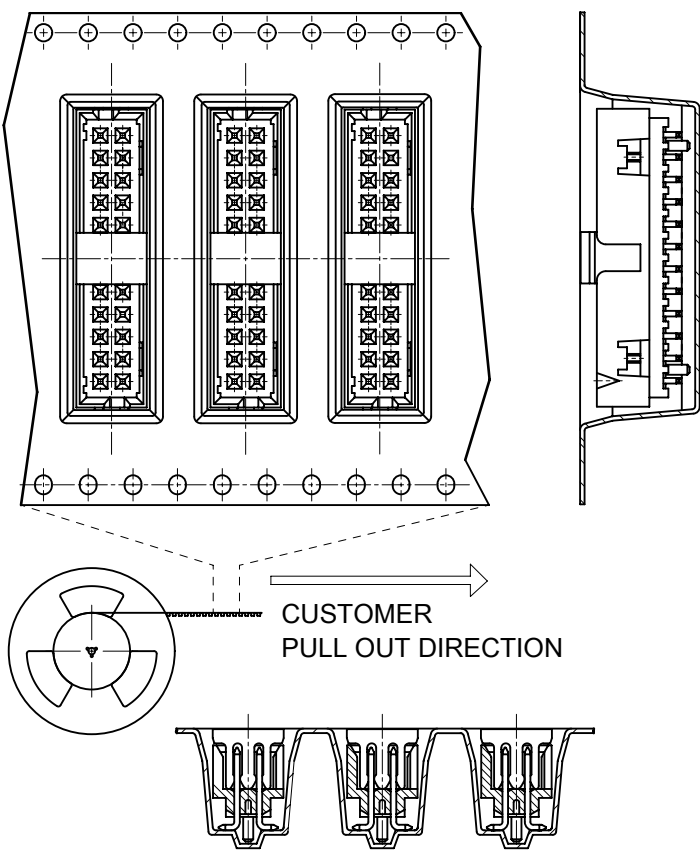
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PACKAGING OPTIONS

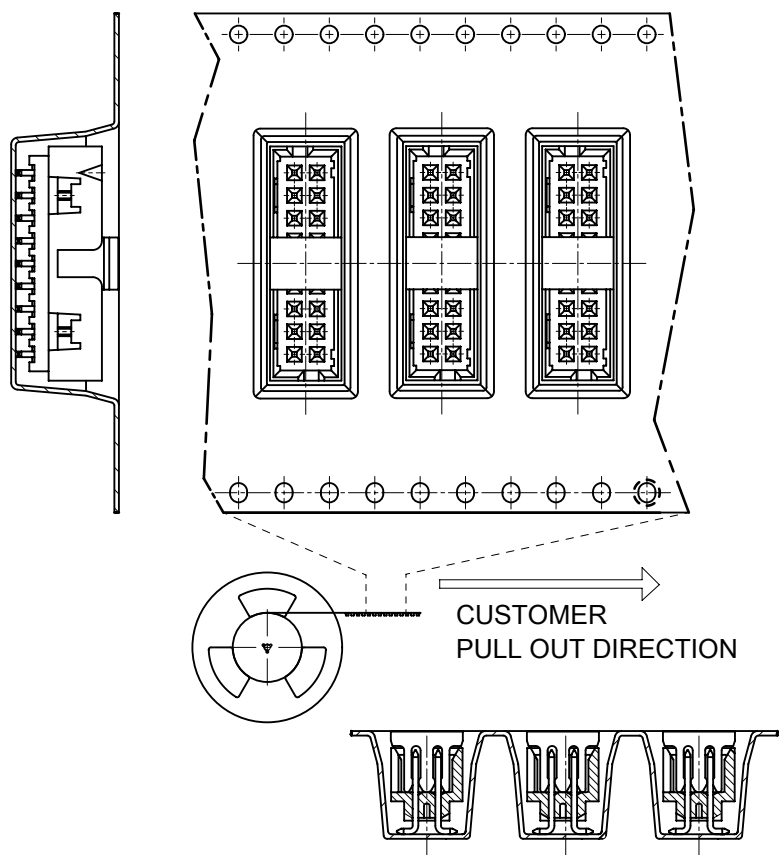
OPTION 1



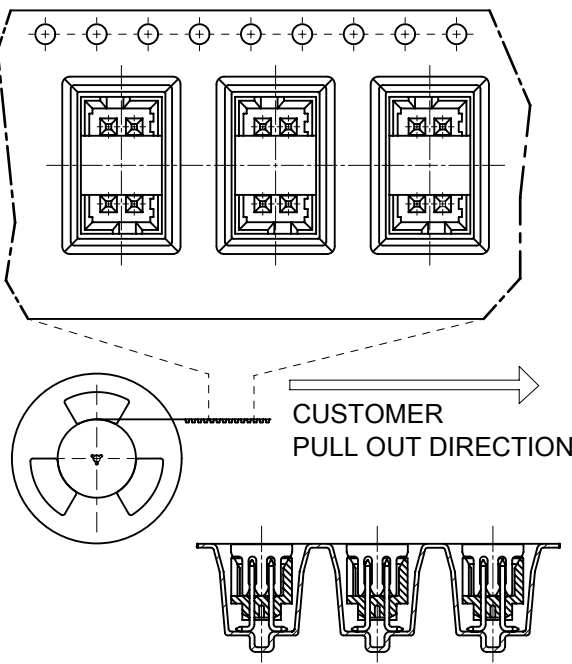
OPTION 2



OPTION 3



VIEW FOR 1 SIDE PILOT HOLE



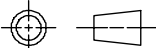
PACKAGING SPECIFICATION TABLE

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 RIGTH	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	YES	CKT 12-50	CKT 4-10
3	YES	N.A	N.A	YES	CKT 12-50	CKT 4-10

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		2018/07/31				MM		NTS						
		2018/07/31			MM	INCH	DRWN BY		DATE		MILLIGRID 2MM PITCH, SMT VERTICAL SHROUDED HEADER			
				4 PLACES	±	±	GMENARLY		2015/05/22					
				3 PLACES	±	±	CHK'D BY		DATE					
				2 PLACES	± 0.2	±	CGOH		2015/09/21					
				1 PLACES	±	±	APPR BY		DATE					
				0 PLACES	±	±	KHLIM		2015/09/22		PRODUCT CUSTOMER DRAWING			
				ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3				87832		SEE TABLE	
A10		REV								DOCUMENT NUMBER SD-87832-0001		DOC TYPE PSD	DOC PART 001	SHEET NUMBER 12 OF 12