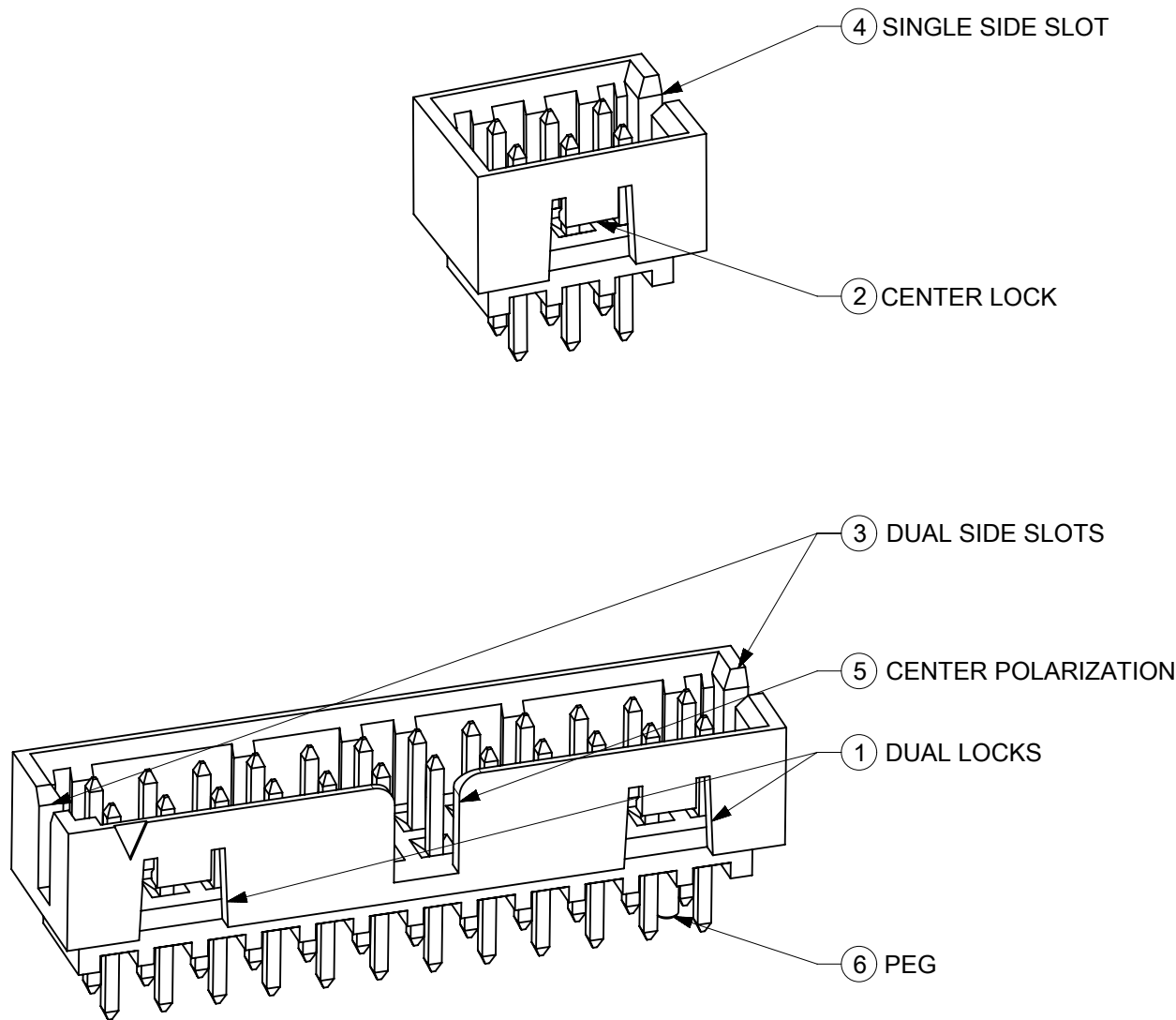


FEATURES SELECTION GUIDE



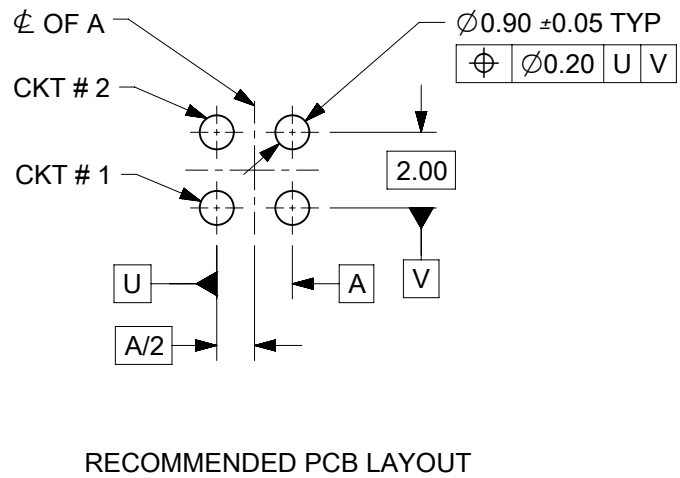
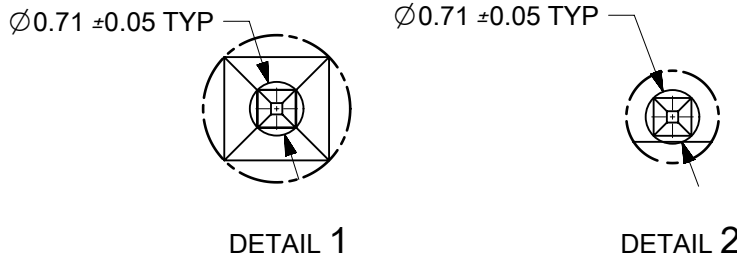
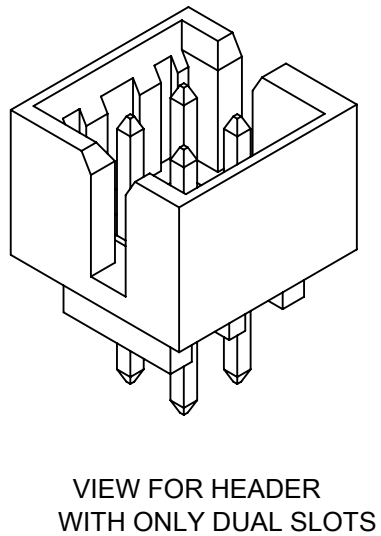
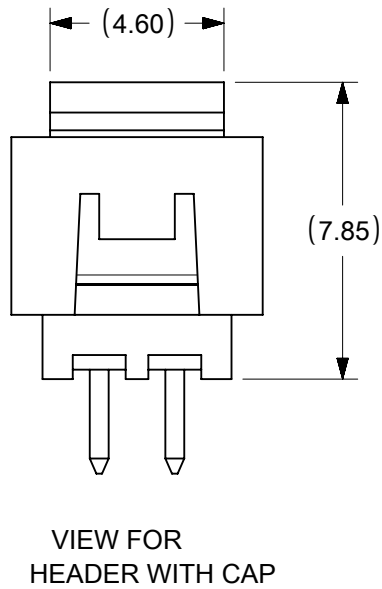
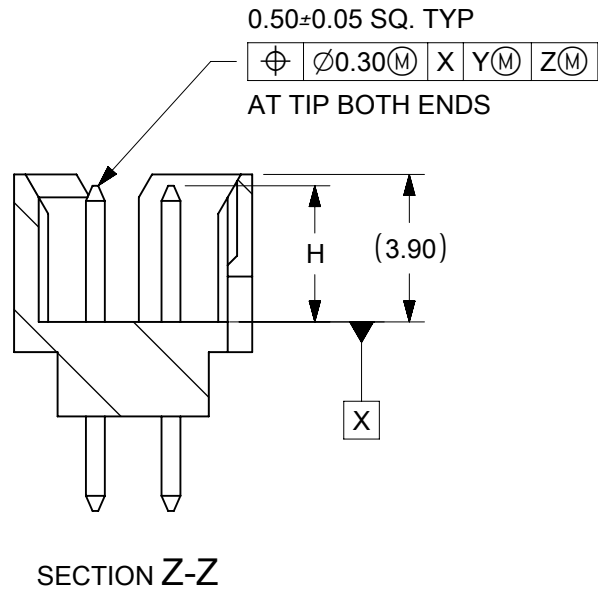
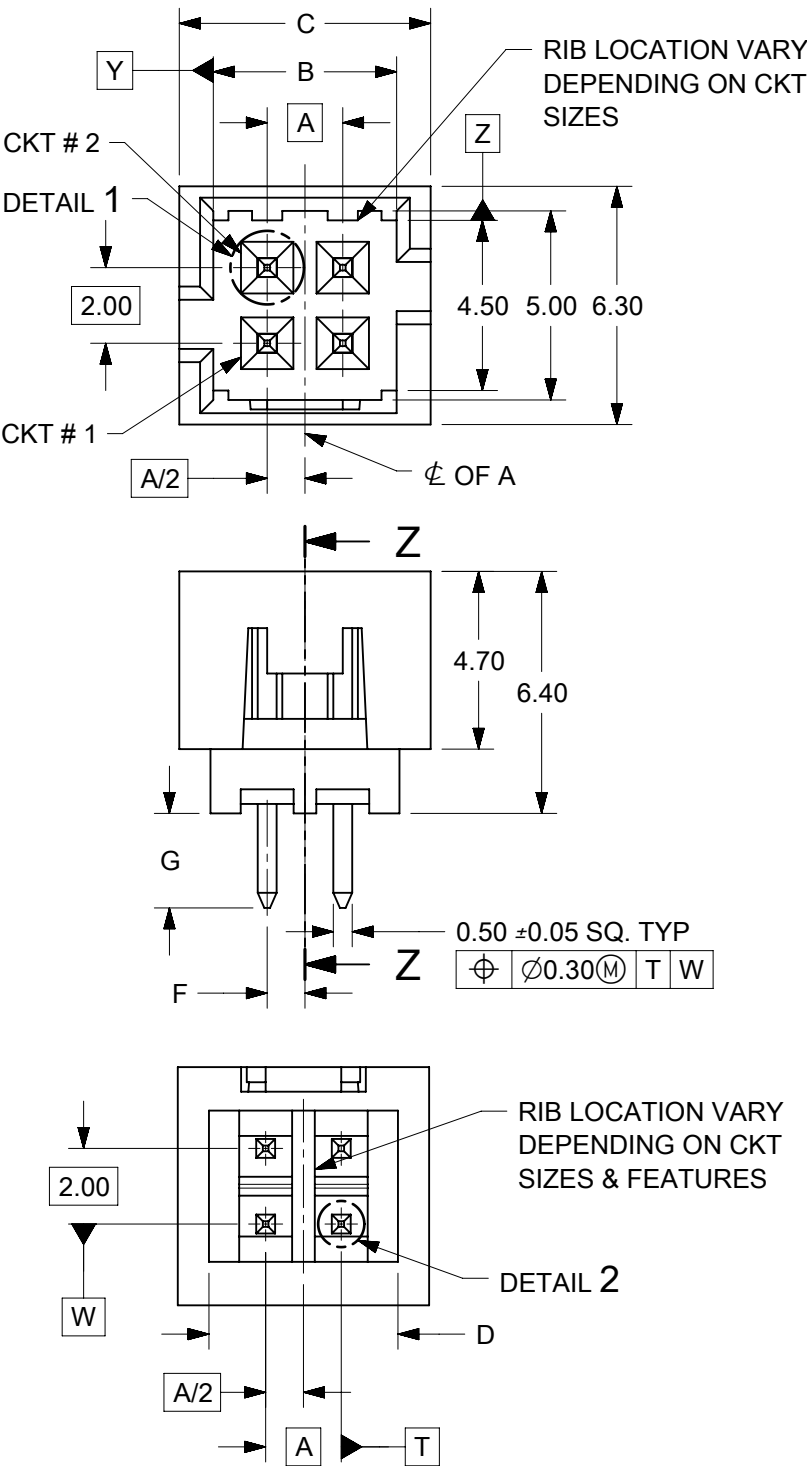
FEATURES							
CIRCUIT SIZE	FRICTION LOCKS		SIDE SLOTS		5 CENTER POLARIZATION	6 PEG	SHEET NO
	1 DUAL	2 CENTER	3 DUAL	4 SINGLE			
4	N.A	N.A	YES	N.A	N.A	N.A	2 - 3
	N.A	YES	YES	N.A	N.A	N.A	
	N.A	YES	N.A	YES	N.A	N.A	
6	N.A	N.A	YES	N.A	N.A	N.A	4 - 5
	N.A	N.A	YES	N.A	N.A	YES	
	N.A	YES	YES	N.A	N.A	N.A	
	N.A	YES	YES	N.A	N.A	YES	
	N.A	YES	N.A	YES	N.A	N.A	
	N.A	YES	N.A	YES	N.A	YES	
	N.A	N.A	YES	N.A	YES	N.A	
8 TO 12	N.A	N.A	YES	N.A	YES	N.A	6 - 8
	N.A	N.A	YES	N.A	YES	YES	
	N.A	YES	YES	N.A	N.A	N.A	
	N.A	YES	YES	N.A	N.A	YES	
	N.A	YES	N.A	YES	N.A	N.A	
	N.A	YES	N.A	YES	N.A	YES	
14 TO 50	YES	N.A	YES	N.A	YES	N.A	9 - 13
	YES	N.A	YES	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:		PK-87831-002
87831-0419	87831-0645	
87831-5141	87831-5119	
87831-0443	87831-1011	
87831-5241	87831-1420	
87831-5242		
87831-0643		

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
ADD P/N 87831-2445 EC NO: 601974 DRWN: SCS02 CHK'D: GJEEVANSURES APPR: ISHWARG		2018/07/26 2018/07/26 2018/08/03	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®							
						MM		NTS									
				MM	INCH	DRWN BY		DATE		MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER							
			4 PLACES	±	±	GMENARLY		2015/04/15									
			3 PLACES	±	±	CHK'D BY		DATE									
			2 PLACES	± 0.2	±	CGOH		2015/06/29									
			1 PLACES	±	±	APPR BY		DATE									
			0 PLACES	±	±	KHLIM		2015/06/29									
			ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION		PRODUCT CUSTOMER DRAWING							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS														
A15		REV				A3				SERIES		MATERIAL NUMBER		CUSTOMER			
										87831		SEE TABLE		GENERAL MARKET			
										DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
										SD-87831-0001		PSD		001		1 OF 13	

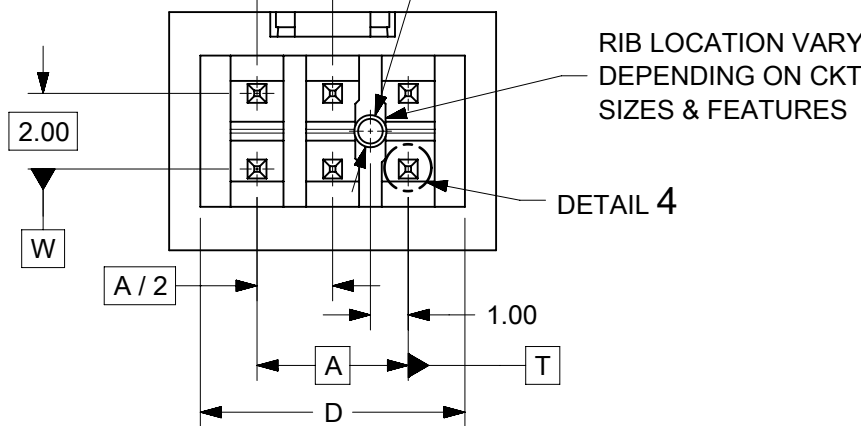
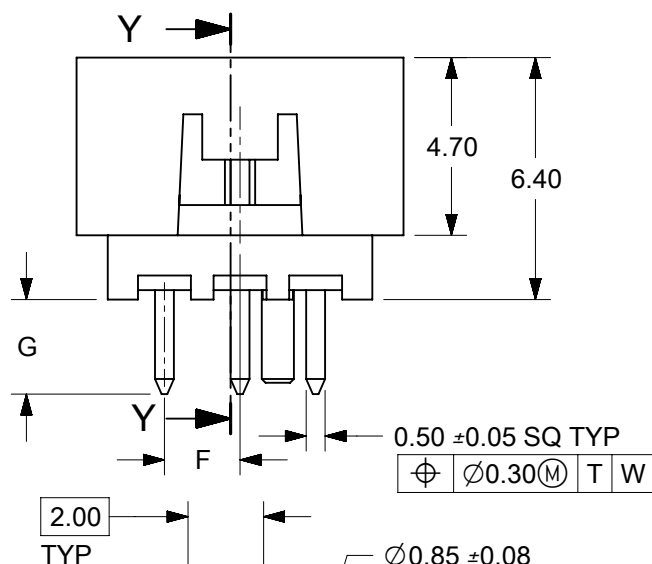
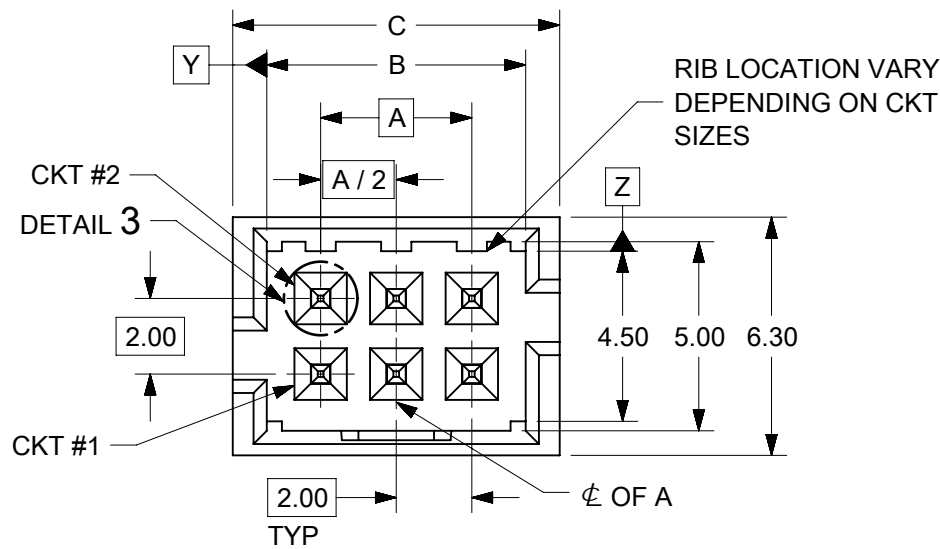
4 CIRCUITS



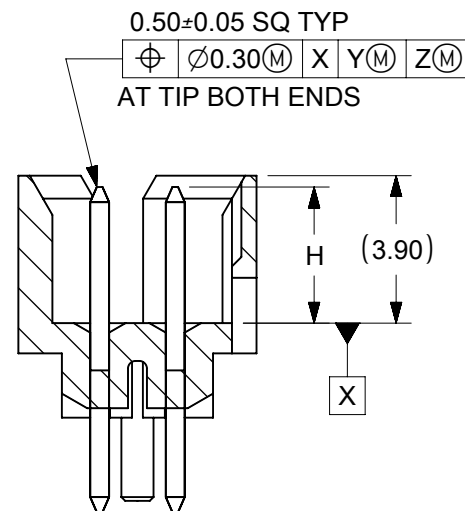
NOTES:

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)

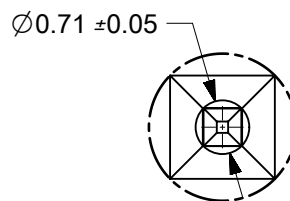
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																
ADD P/N 87831-2445 EC NO: 601974 DRWN: SCS02 CHK'D: GJEEVANSURES APPR: ISHWARG		2018/07/26 2018/07/26 2018/08/03	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex® MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER PRODUCT CUSTOMER DRAWING <table><tr><td>SERIES</td><td colspan="2">MATERIAL NUMBER</td><td colspan="2">CUSTOMER</td></tr><tr><td>87831</td><td colspan="2">SEE TABLE</td><td colspan="2">GENERAL MARKET</td></tr><tr><td colspan="2">DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>SHEET NUMBER</td></tr><tr><td colspan="2">SD-87831-0001</td><td>PSD</td><td>001</td><td>2 OF 13</td></tr></table>			SERIES	MATERIAL NUMBER		CUSTOMER		87831	SEE TABLE		GENERAL MARKET		DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER	SD-87831-0001		PSD	001	2 OF 13
						SERIES	MATERIAL NUMBER		CUSTOMER																							
			87831	SEE TABLE		GENERAL MARKET																										
			DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER																									
			SD-87831-0001		PSD	001	2 OF 13																									
			MM		NTS																											
			DRWN BY				DATE																									
			GMENARLY				2015/04/15																									
			CHK'D BY				DATE																									
			CGOH				2015/06/29																									
APPR BY				DATE																												
KHLIM				2015/06/29																												
ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION																											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3																													



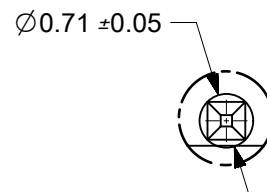
6 CIRCUITS



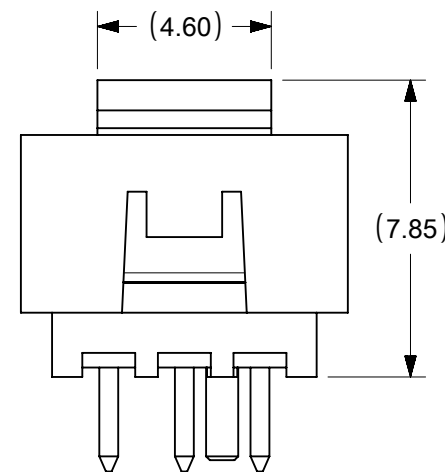
SECTION Y-Y



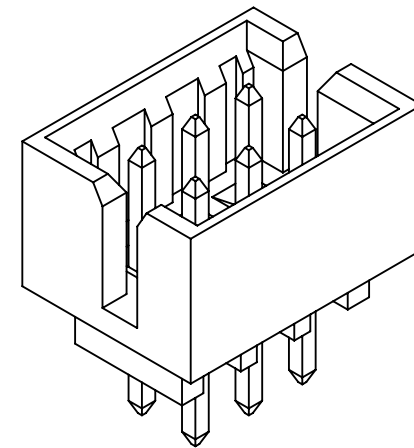
DETAIL 3



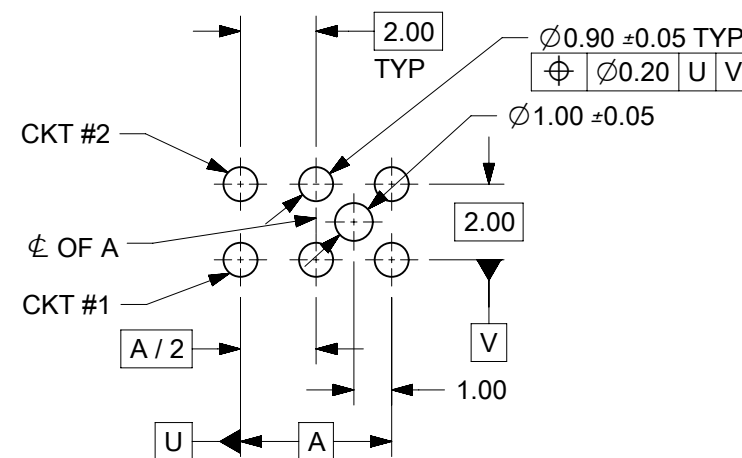
DETAIL 4



VIEW FOR
HEADER WITH CAP



VIEW FOR HEADER WITH
ONLY DUAL SLOTS

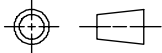


RECOMMENDED PCB LAYOUT

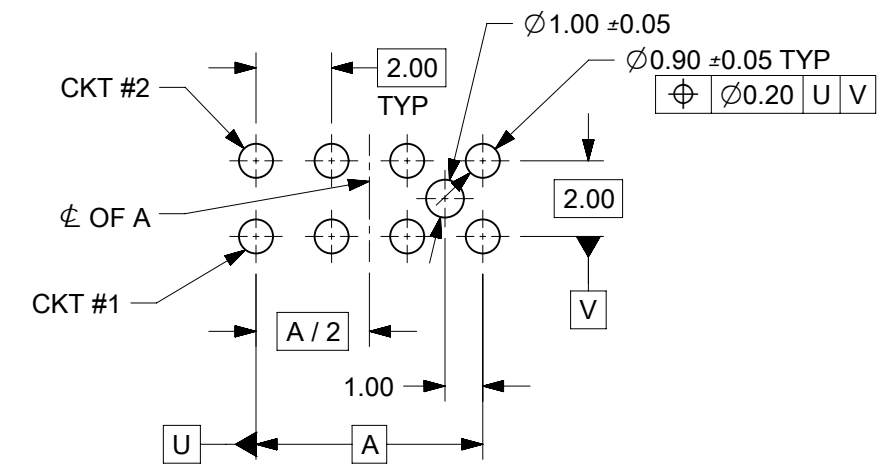
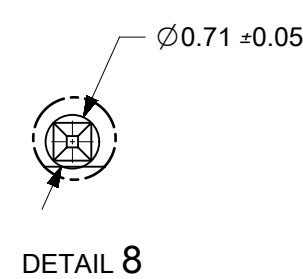
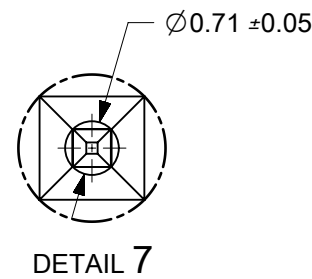
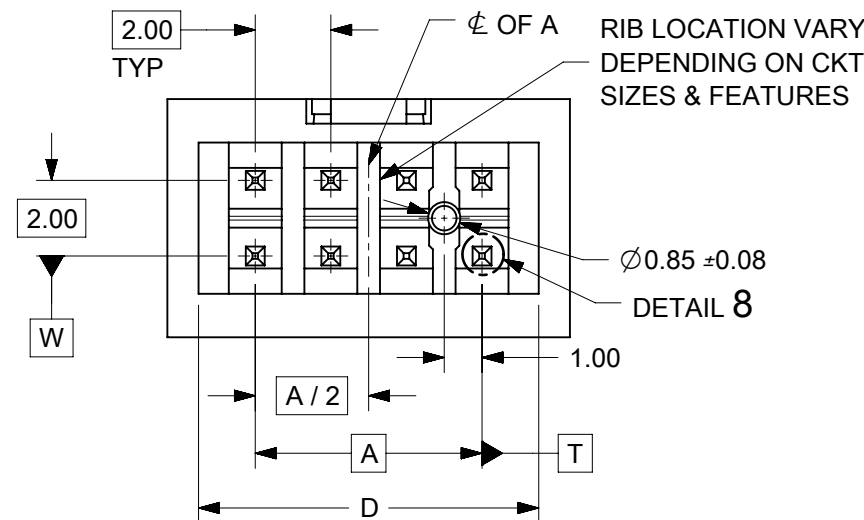
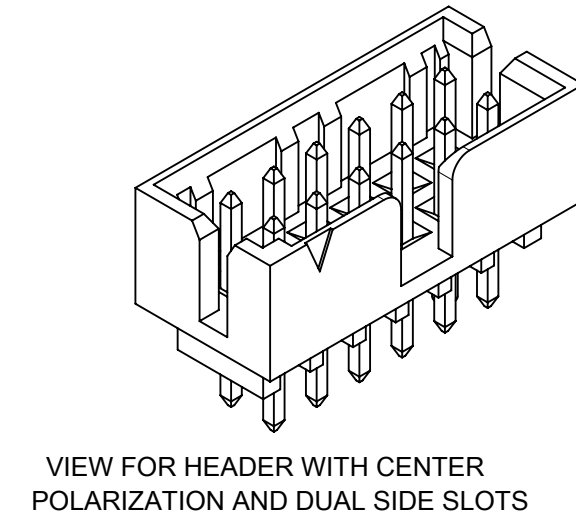
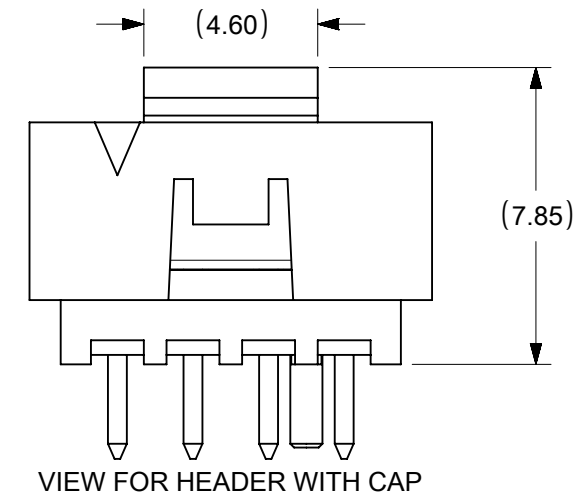
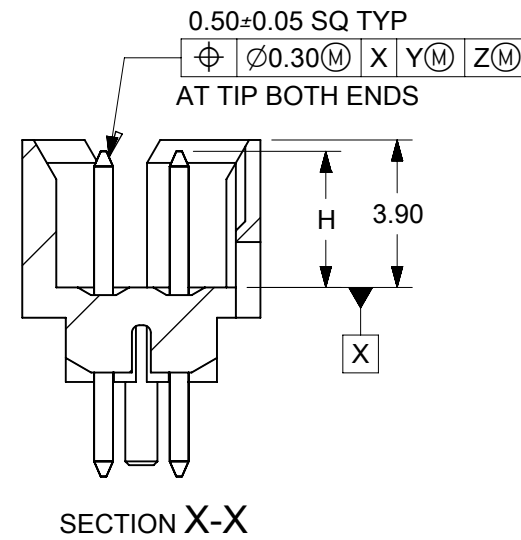
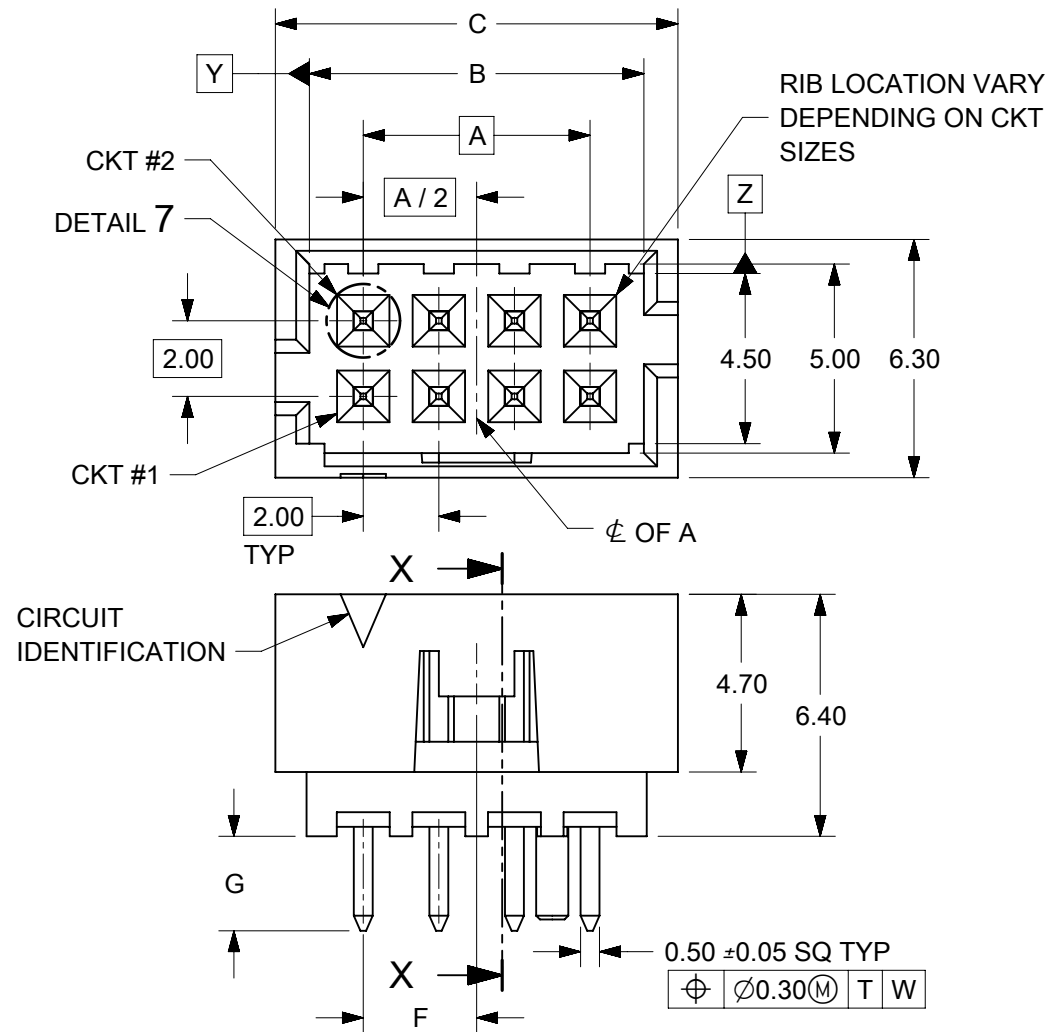
NOTES:

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
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C. MOLEX 2mm MILLIGRID DUAL ROW RECEPTACLE:
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ADD P/N 87831-2445 EC NO: 601974 DRWN: SCS02 CHK'D: GJEEVANSURES APPR: ISHWARG		2018/07/26		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®							
		2018/07/26				MM		NTS									
		2018/08/03						DRWN BY		DATE		MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER					
						MM		INCH									
		4 PLACES				±		±		GMENARLY						2015/04/15	
		3 PLACES				±		±		CHK'D BY						DATE	
		2 PLACES				± 0.2		±		CGOH						2015/06/29	
		1 PLACES				±		±		APPR BY		DATE		PRODUCT CUSTOMER DRAWING			
		0 PLACES				±		±		KHLIM		2015/06/29					
				ANGULAR TOL ± 3.0		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER			
						A3				87831		SEE TABLE		GENERAL MARKET			
A15		REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
										SD-87831-0001		PSD		001		4 OF 13	

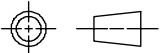
8 TO 12 CIRCUITS



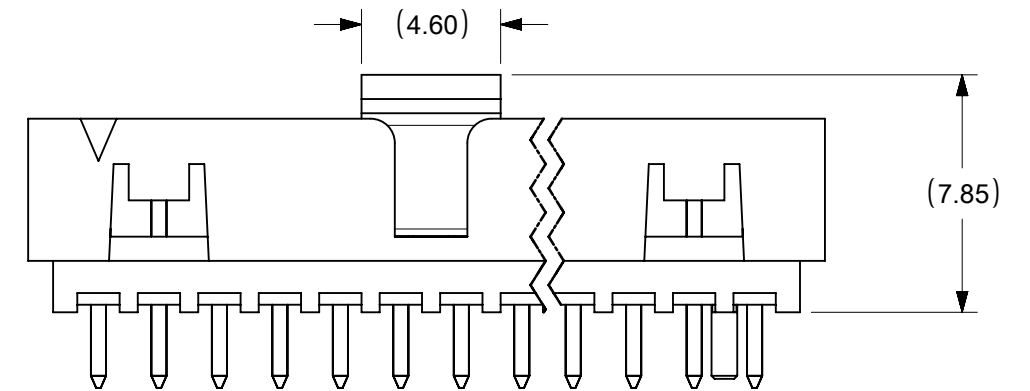
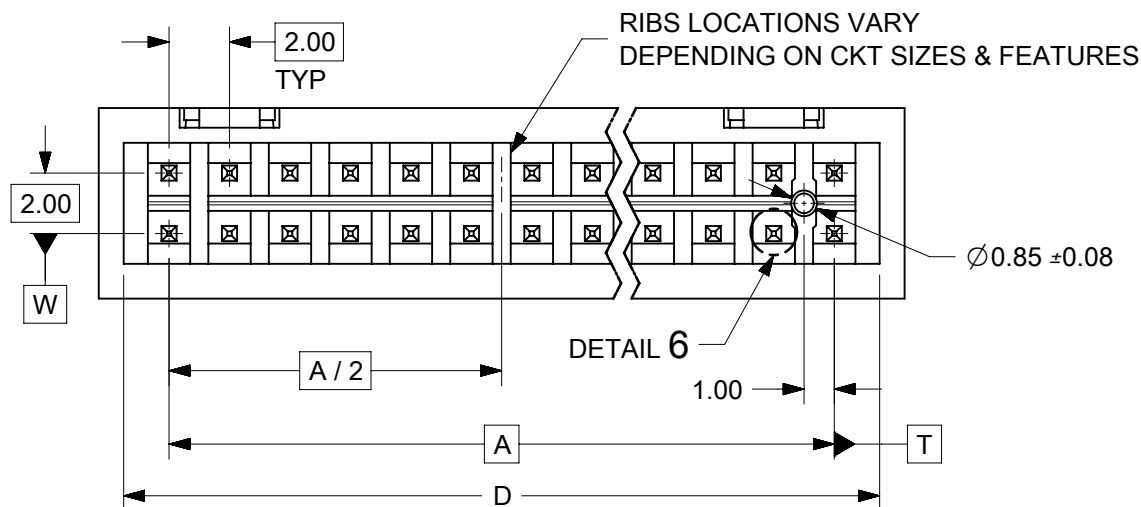
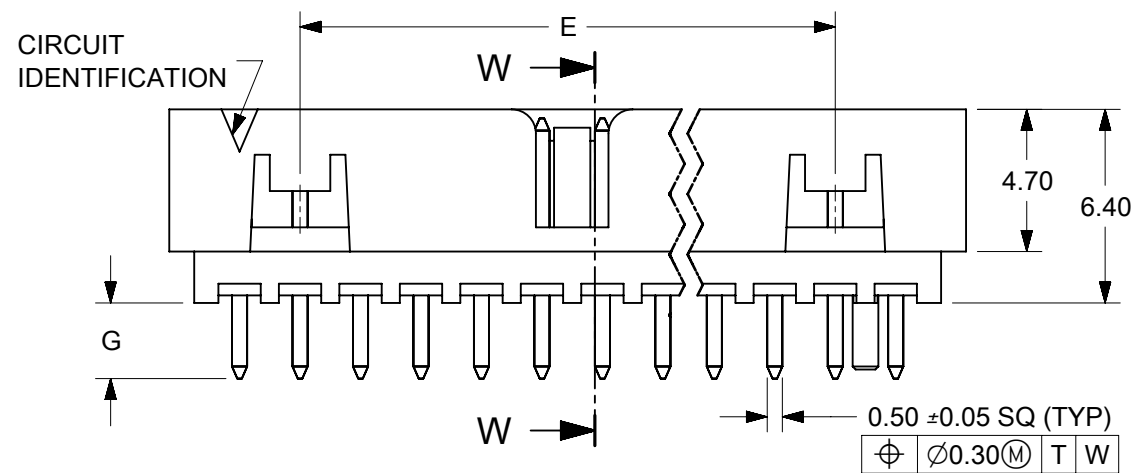
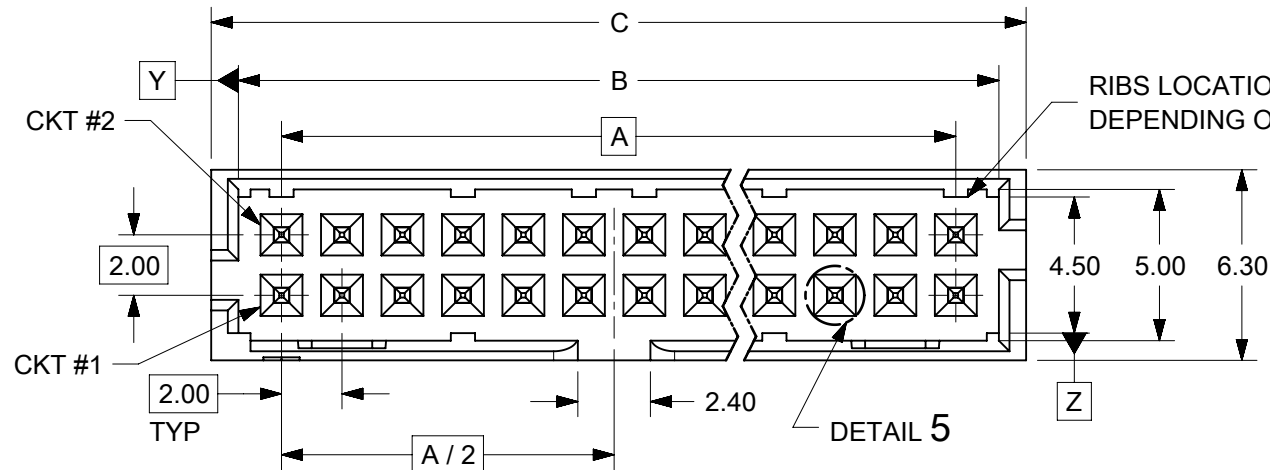
RECOMMENDED PCB LAYOUT

- NOTES:
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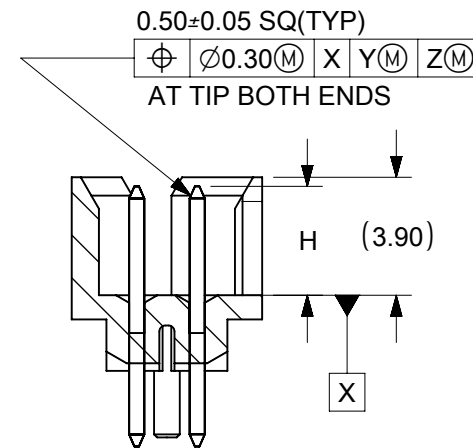
RELEASE STATUS	P1	RELEASE DATE	2018/08/03	00:10:23
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ADD P/N 87831-2445 EC NO: 601974 DRWN: SCS02 CHK'D: GJEEVANSURES REV APPR: ISHWARG		2018/07/26 2018/07/26 2018/08/03		GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex[®]				
							MM		NTS						
					MM	INCH	DRWN BY		DATE		MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER				
		4 PLACES	±	±	GMENARLY		2015/04/15								
		3 PLACES	±	±	CHK'D BY		DATE								
		2 PLACES	± 0.2	±	CGOH		2015/06/29								
		1 PLACES	±	±	APPR BY		DATE								
		0 PLACES			±	±	KHLIM		2015/06/29		PRODUCT CUSTOMER DRAWING				
		ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION		A3		87831	SEE TABLE		CUSTOMER GENERAL MARKET	
A15	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					DOCUMENT NUMBER			DOC TYPE	DOC PART	SHEET NUMBER			
							SD-87831-0001			PSD	001	6 OF 13			

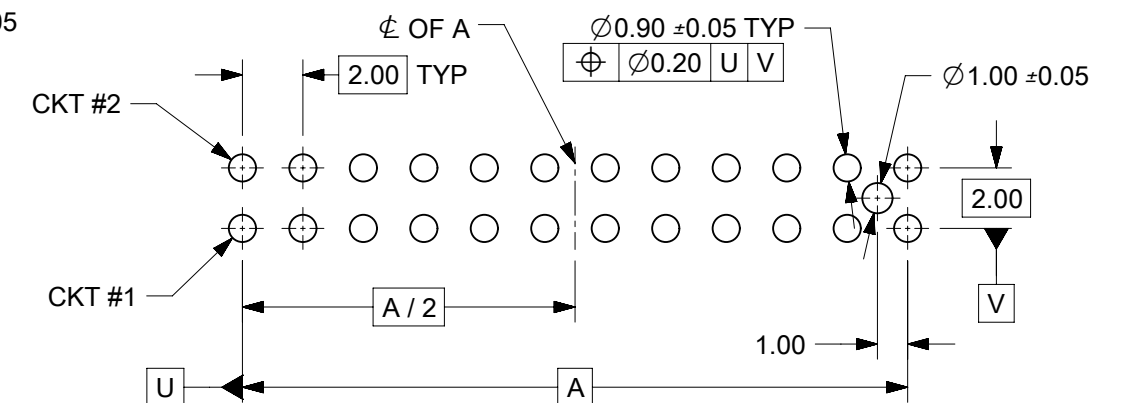
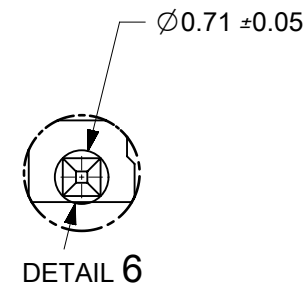
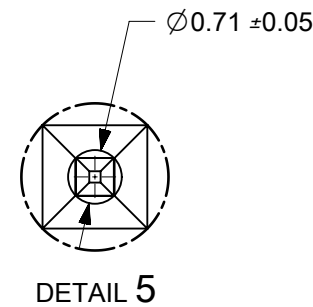
14 TO 50 CIRCUITS



VIEW FOR HEADER WITH CAP



SECTION W-W



RECOMMENDED PCB LAYOUT

- NOTES:
- MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50mm SQ PHOSPHOR BRONZE
 - FINISHES: REFER TO PLATING OPTIONS
 - PRODUCT SPECIFICATION: PS-87831-027
 - PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
 - MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND CRIMP TERMINAL: 50394 SERIES
B. MOLEX 2mm MILLIGRID DUAL ROW IDT: 87568 SERIES
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ADD P/N 87831-2445 EC NO: 601974 DRWN: SCS02 CHKD: GJEEVANSURES APPR: ISHWARG		2018/07/26		2018/07/26		2018/08/03		molex®						
		GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE							
					MM		NTS		MILLGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER					
			MM	INCH	DRWN BY		DATE							
		4 PLACES	±	±	GMENARLY		2015/04/15							
		3 PLACES	±	±	CHK'D BY		DATE							
		2 PLACES	± 0.2	±	CGOH		2015/06/29							
		1 PLACES	±	±	APPR BY		DATE		PRODUCT CUSTOMER DRAWING					
		0 PLACES	±	±	KHLIM		2015/06/29							
		ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3				87831		SEE TABLE		GENERAL MARKET			
							DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
A15		REV					SD-87831-0001		PSD		001		9 OF 13	

9		8		7		6		5		4		3		2		1		
22 TO 30 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	PLATING OPTIONS	FRICTION LOCKS		SIDE SLOTS		CENTER POLARIZATION	PEG	DIMENSION							
					DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F	G	H
22	87831-2219	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	20.00	22.85	24.65	23.00	16.00	N.A	2.50	3.60±0.20
	87831-2220	N.A	N.A	2														
	87831-2221	N.A	N.A	3														
	87831-2236	N.A	N.A	4														
	87831-2228	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
	87831-2229	N.A	N.A	3														
24	87831-2419	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	22.00	24.85	26.65	25.00	18.00	N.A	2.50	3.60±0.20
	87831-2420	N.A	N.A	2														
	87831-2421	N.A	N.A	3														
	87831-2436	N.A	N.A	4														
	87831-2428	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
	87831-2429	N.A	N.A	3														
	87831-2435	N.A	N.A	3														
	87831-2445	N.A	N.A	3														
	87831-2410	N.A	N.A	2														
26	87831-2619	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	24.00	26.85	28.65	27.00	20.00	N.A	2.50	3.60±0.20
	87831-2620	87831-2630	87831-5555	2														
	87831-2621	N.A	N.A	3														
	87831-2636	N.A	N.A	4														
	87831-2628	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
	87831-2629	N.A	N.A	3														
	87831-2610	N.A	N.A	2														
28	87831-2819	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	26.00	28.85	30.65	29.00	22.00	N.A	2.50	3.60±0.20
	87831-2820	N.A	N.A	2														
	87831-2821	N.A	N.A	3														
	87831-2836	N.A	N.A	4														
	87831-2828	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
	87831-2829	N.A	N.A	3														
30	87831-3019	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	28.00	30.85	32.65	31.00	24.00	N.A	2.50	3.60±0.20
	87831-3020	N.A	N.A	2														
	87831-3021	N.A	N.A	3														
	87831-3036	N.A	N.A	4														
	87831-3028	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50	
	87831-3029	N.A	N.A	3														
	87831-3035	N.A	N.A	3														
	87831-3010	87831-3030	87831-3050	2														
PLATING OPTIONS:					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
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.					ADD P/N 87831-2445 EC NO: 601974 DRWN: SCS02 CHK'D: GJEEVANSURES APPR: ISHWARG	2018/07/26 2018/07/26 2018/08/03	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex® MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER				
			MM	INCH			DRWN BY		DATE									
4 PLACES ±			±	GMENARLY			2015/04/15											
3 PLACES ±			±	CHK'D BY			DATE											
2 PLACES ± 0.2			±	CGOH			2015/06/29		PRODUCT CUSTOMER DRAWING									
1 PLACES ±			±	APPR BY			DATE											
0 PLACES ±			±	KHLIM			2015/06/29		SERIES		MATERIAL NUMBER		CUSTOMER					
ANGULAR TOL ± 3.0			DRAWING SIZE				THIRD ANGLE PROJECTION		87831		SEE TABLE		GENERAL MARKET					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3						DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER			
									SD-87831-0001		PSD		001		11 OF 13			
RELEASE STATUS	P1	RELEASE DATE	2018/08/03	00:10:23														
9		8		7		6		5		4		3		2		1		

9		8		7		6		5		4		3		2		1			
32 TO 40 CIRCUITS																			
E	32	87831-3219	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	30.00	32.85	34.65	33.00	26.00	N.A	2.50	3.60±0.20
		87831-3220	N.A	N.A	2														
	87831-3221	N.A	N.A	3															
	87831-3236	N.A	N.A	4															
	87831-3228	N.A	N.A	2															
	87831-3229	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES	2.50								
	D	34	87831-3419	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	32.00	34.85	36.65	35.00	28.00	N.A	2.50
87831-3420			N.A	N.A	2														
87831-3421			N.A	N.A	3														
87831-3436			N.A	N.A	4														
87831-3428			N.A	N.A	2														
87831-3429			N.A	N.A	3	YES	N.A	YES	N.A	YES	YES	2.50							
87831-3435			N.A	N.A	3	YES	N.A	YES	N.A	YES	YES	3.50							
C	36	87831-3619	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	34.00	36.85	38.65	37.00	30.00	N.A	2.50	3.60±0.20
		87831-3620	N.A	87831-5564	2														
		87831-3621	N.A	N.A	3														
		87831-3636	N.A	N.A	4														
		87831-3628	N.A	N.A	2														
		87831-3629	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES							2.50	
	38	87831-3819	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	36.00	38.85	40.65	39.00	32.00	N.A	2.50	3.60±0.20
87831-3820		N.A	N.A	2															
87831-3821		N.A	N.A	3															
87831-3836		N.A	N.A	4															
87831-3828		N.A	N.A	2															
87831-3829		N.A	N.A	3	YES	N.A	YES	N.A	YES	YES	2.50								
B	40	87831-4019	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	38.00	40.85	42.65	41.00	34.00	N.A	2.50	3.60±0.20
		87831-4020	N.A	N.A	2														
		87831-4021	N.A	N.A	3														
		87831-4036	N.A	N.A	4														
		87831-4028	N.A	N.A	2														
		87831-4029	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES							2.50	
		87831-4010	N.A	N.A	2	YES	N.A	YES	N.A	YES	N.A	3.50							
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 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 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. RELEASE STATUS P1 RELEASE DATE 2018/08/03 00:10:23																			
9		8		7		6		5		4		3		2		1			

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
ADD P/N 87831-2445	2018/07/26	2018/07/26	2018/08/03	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®								
							MM		NTS										
				4 PLACES	±	MM	±	INCH	DRWN BY		DATE		MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER						
					GMENARLY		2015/04/15												
					3 PLACES	±	MM	±	CHK'D BY		DATE								
						CGOH		2015/06/29											
						2 PLACES	±	0.2	±	APPR BY		DATE							
				KHLIM			2015/06/29												
				1 PLACES	±	MM	±	DRAWING SIZE		THIRD ANGLE PROJECTION		PRODUCT CUSTOMER DRAWING							
					A3														
0 PLACES	±	MM	±	ANGULAR TOL ± 3.0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SERIES		MATERIAL NUMBER		CUSTOMER					
	87831		SEE TABLE							GENERAL MARKET									
EC NO: 601974		DRWN: SCS02		CHK'D: GJEEVANSURES		APPR: ISHWARG		A15		REV		DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
												SD-87831-0001		PSD		001		12 OF 13	

FORMAT: Met-lega-master-ib-prod-A3

REVISION: C

DATE: 2017/02/08

F

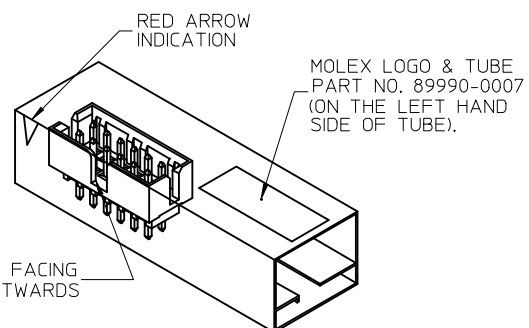
E

D

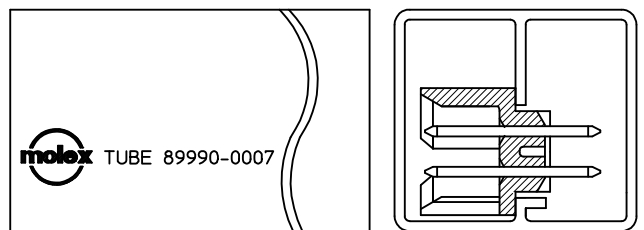
C

B

A



REF : ORIENTATION OF PART IN TUBE
(FOR THE REFERENCE OF PART/TUBE ASSEMBLY)



ORIENTATION OF PART IN TUBE

P/N IN TUBE	CKT SIZE	VOID PIN LOCATION	DIMENSION				
			A	B	C	D	E
87831-06**	6	---	8.65	4.00	7.00	6.85	---
87831-08**	8	---	10.65	6.00	9.00	8.85	---
87831-10**	10	---	12.65	8.00	11.00	10.85	---
87831-12**	12	---	14.65	10.00	13.00	12.85	---
87831-14**	14	---	16.65	12.00	15.00	14.85	8.00
87831-16**	16	---	18.65	14.00	17.00	16.85	10.00
87831-18**	18	---	20.65	16.00	19.00	18.85	12.00
87831-20**	20	---	22.65	18.00	21.00	20.85	14.00
87831-22**	22	---	24.65	20.00	23.00	22.85	16.00
87831-24**	24	---	26.65	22.00	25.00	24.85	18.00
87831-26**	26	---	28.65	24.00	27.00	26.85	20.00
87831-28**	28	---	30.65	26.00	29.00	28.85	22.00
87831-30**	30	---	32.65	28.00	31.00	30.85	24.00
87831-32**	32	---	34.65	30.00	33.00	32.85	26.00
87831-34**	34	---	36.65	32.00	35.00	34.85	28.00
87831-36**	36	---	38.65	34.00	37.00	36.85	30.00
87831-38**	38	---	40.65	36.00	39.00	38.85	32.00
87831-40**	40	---	42.65	38.00	41.00	40.85	34.00
87831-42**	42	---	44.65	40.00	43.00	42.85	36.00
87831-44**	44	---	46.65	42.00	45.00	44.85	38.00
87831-46**	46	---	48.65	44.00	47.00	46.85	40.00
87831-48**	48	---	50.65	46.00	49.00	48.85	42.00
87831-50**	50	---	52.65	48.00	51.00	50.85	44.00
87831-5128	24	12	26.65	22.00	25.00	24.85	18.00

PART NUMBER LEGEND :

87831 - * * * *
|
PLATING OPTIONS

- 28 - 0.38um/15uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
29 - 0.76um/30uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.

PDR No: S-000981-00-00 EC NO: S2005-0998 DRWN:YLOIAO 2005/06/23 CHKD:PTLI 2005/06/23 APPR:SKTOH 2005/06/23	QUALITY SYMBOLS ▽=0 C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
		DESCRIPTION REV	4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm ± --- ± --- ± 0.2 ± ---	INCH ± --- ± --- ± --- ± ---	DRAWN BY ATSEE		DATE 2003/10/08				
						CHECKED BY KCLING		DATE 2003/11/07				
						APPROVED BY SKTOH		DATE 2003/11/07				
A4		ANGULAR ± 3 °		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87831-020		SHEET NO. 2 OF 2				
		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						

SALES DRAWING
MGRID, SHROUDED HEADER
VERTICAL, W/PEG

MOLEX INCORPORATED