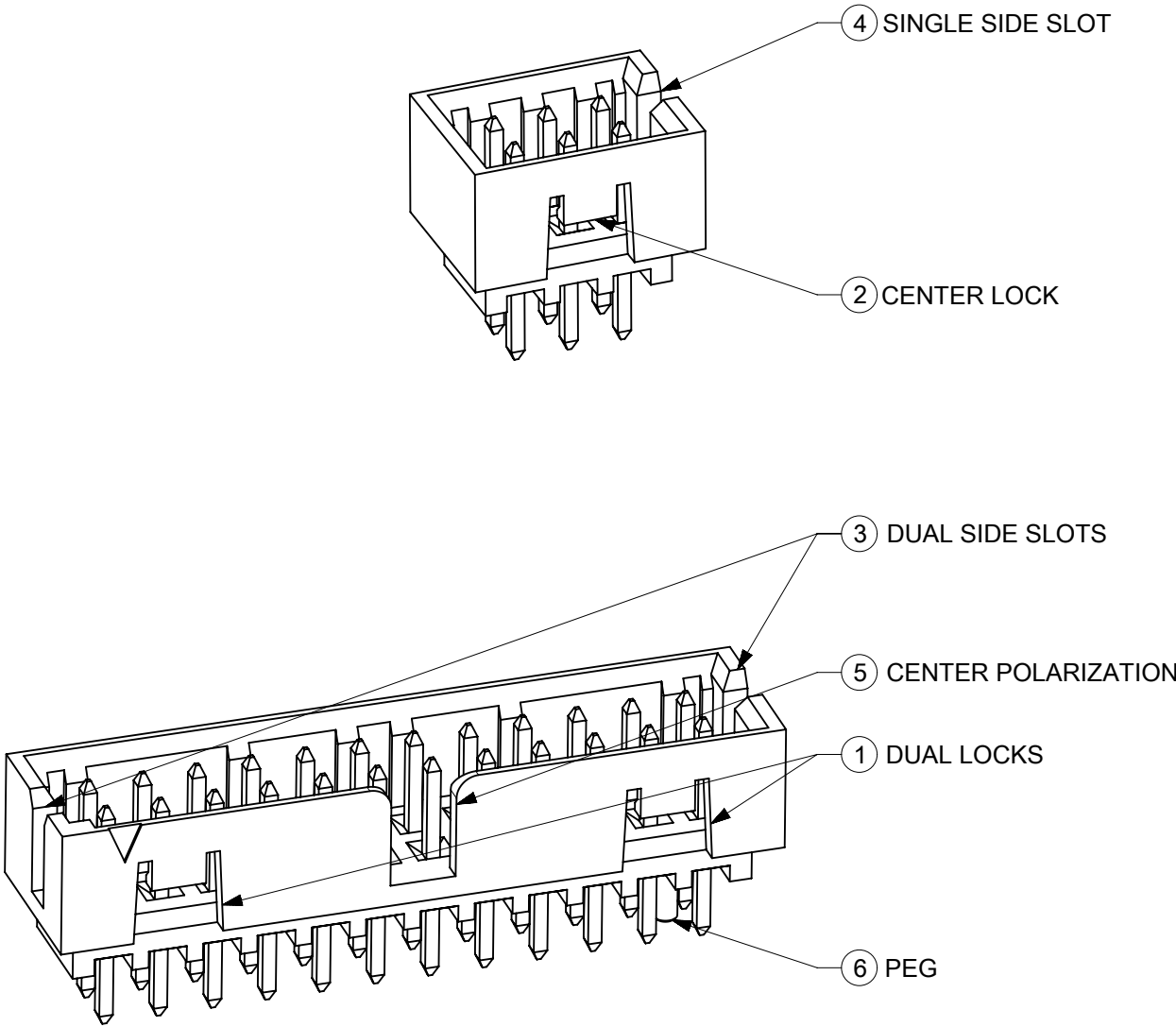


FEATURES SELECTION GUIDE



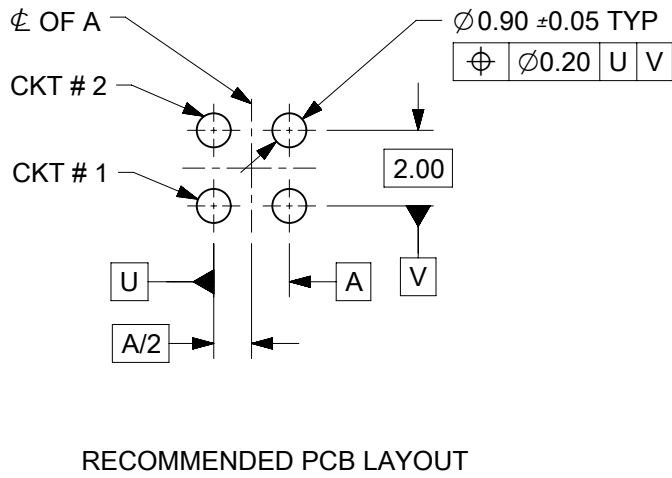
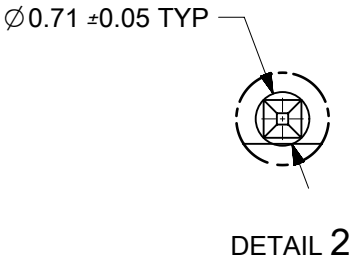
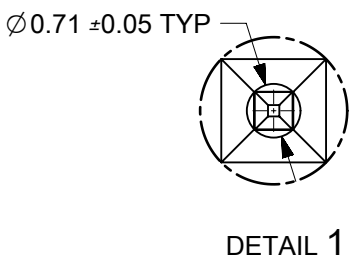
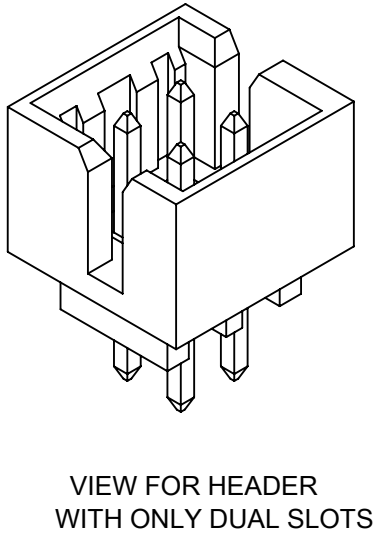
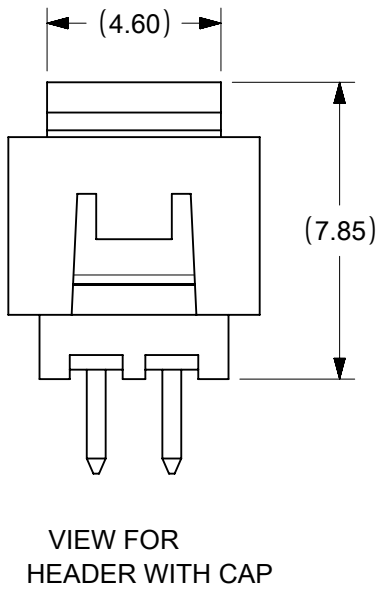
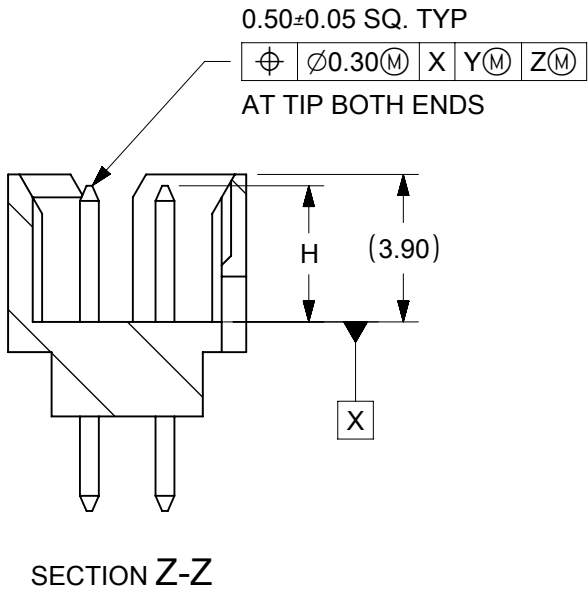
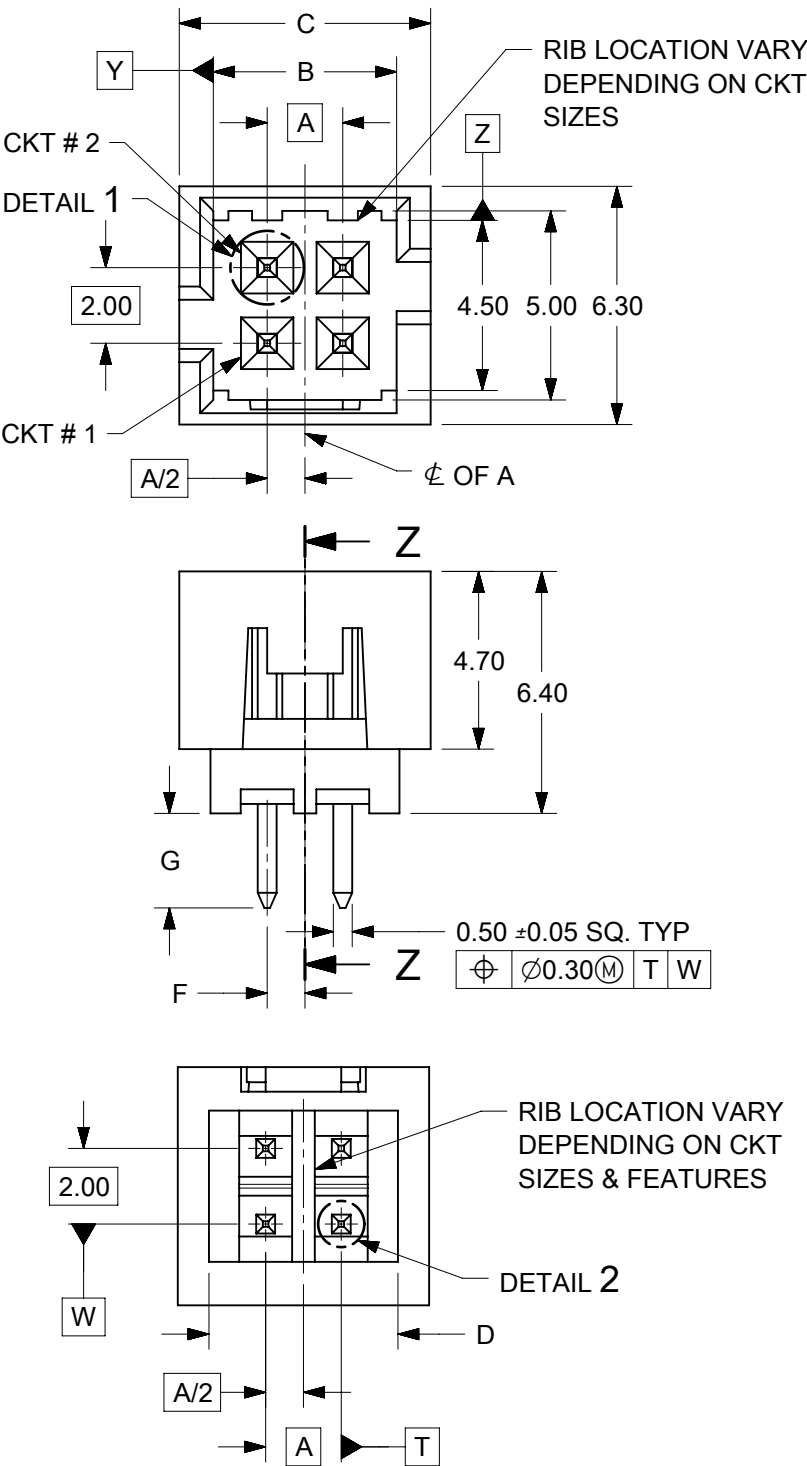
FEATURES							
CIRCUIT SIZE	FRICTION LOCKS		SIDE SLOTS		5 CENTER POLARIZATION	6 PEG	SHEET NO
	1 DUAL	2 CENTER	3 DUAL	4 SINGLE			
4	N.A	N.A	YES	N.A	N.A	N.A	2 - 3
	N.A	YES	YES	N.A	N.A	N.A	
	N.A	YES	N.A	YES	N.A	N.A	
6	N.A	N.A	YES	N.A	N.A	N.A	4 - 5
	N.A	N.A	YES	N.A	N.A	YES	
	N.A	YES	YES	N.A	N.A	N.A	
	N.A	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		

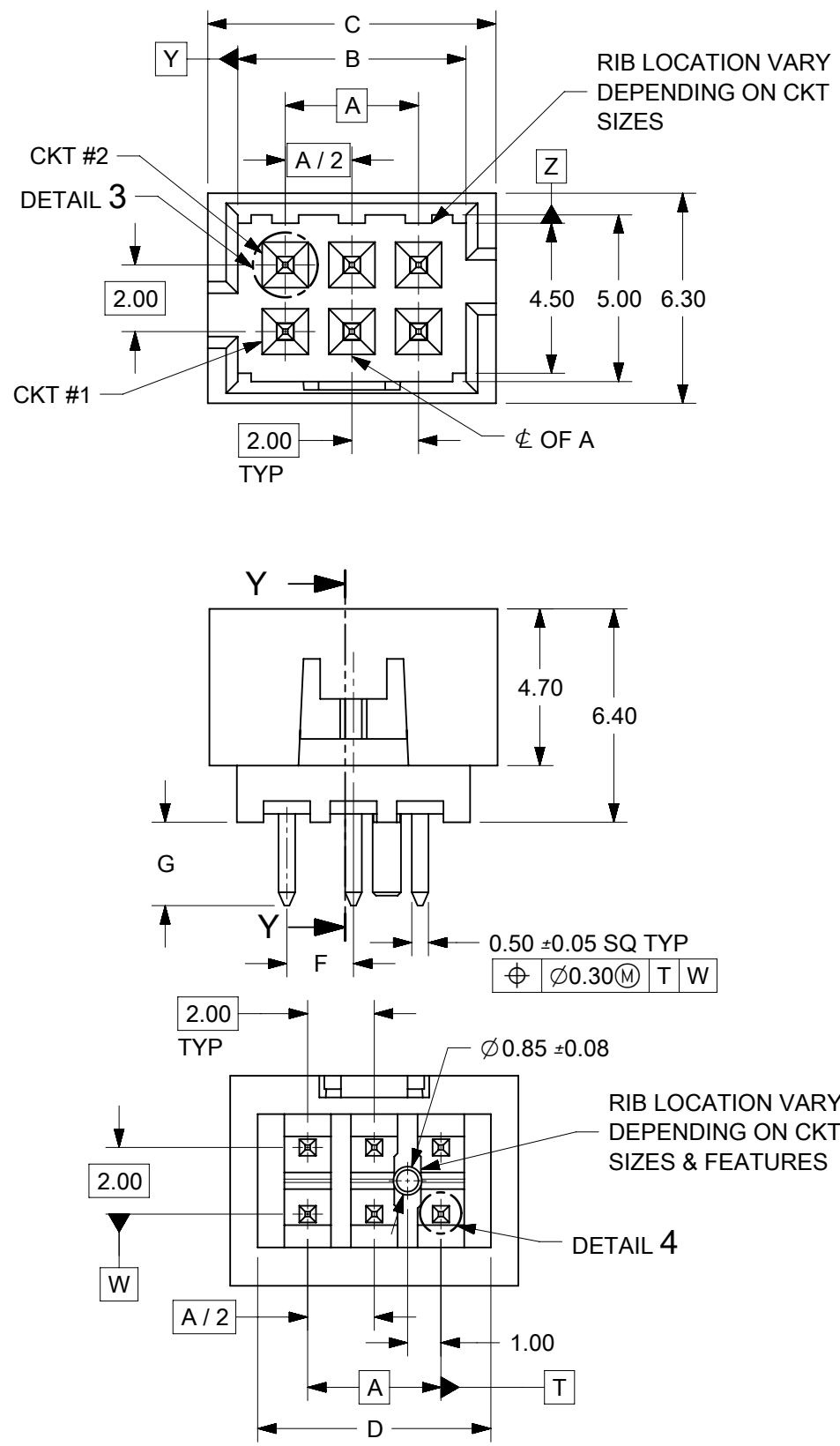
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																		
SHT5, 10 ADD OPTIONS EC NO: 168777 DRWN: GMENARLY CHK'D: SCHEONG REV APPR: KHLIM		2017/09/08 2017/12/01 2018/01/02	GENERAL TOLERANCES (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>1 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	1 OF 13
						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																											
			MM		NTS																													
			4 PLACES			±	MM	DRWN BY							DATE																			
			3 PLACES			±	INCH	GMENARLY							2015/04/15																			
			2 PLACES			± 0.2		CHK'D BY							DATE																			
			1 PLACES			±		CGOH							2015/06/29																			
0 PLACES			±		APPR BY		DATE																											
					KHLIM		2015/06/29																											
ANGULAR TOL ± 3.0					DRAWING SIZE		THIRD ANGLE PROJECTION																											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					A3																													

4 CIRCUITS

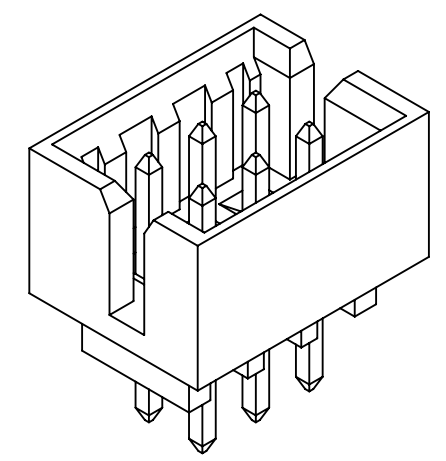
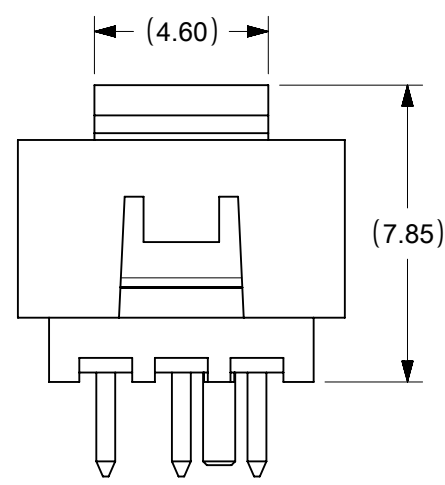
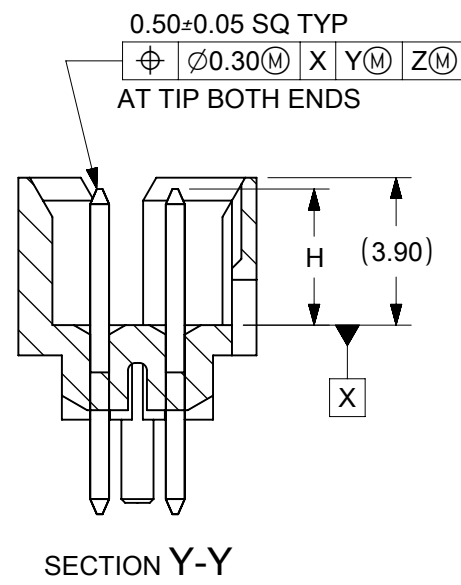


- NOTES:
1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50mm SQ. PHOSPHOR BRONZE
 2. FINISHES: REFER TO PLATING OPTIONS
 3. PRODUCT SPECIFICATION: PS-87831-027
 4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
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AND 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)

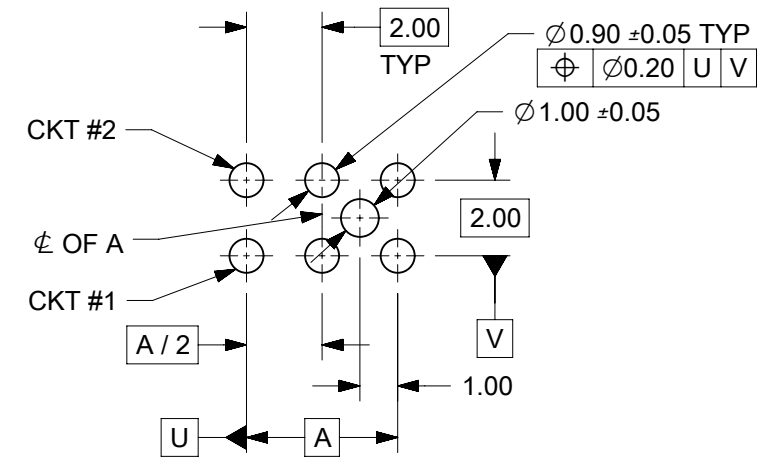
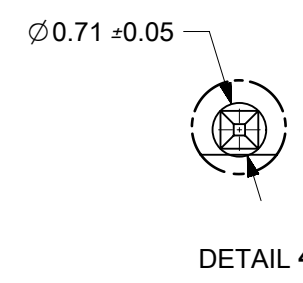
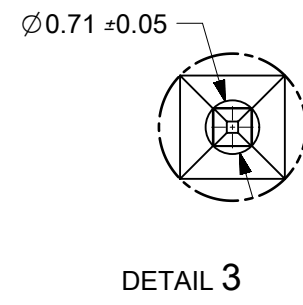
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SHT5, 10 ADD OPTIONS EC NO: 168777 DRWN: GMENARLY CHK'D: SCHEONG REV APPR: KHLIM	2017/09/08 2017/12/01 2018/01/02	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®						
					MM		NTS								
					DRWN BY		DATE		MILLIGRID 2MM PITCH, 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		PRODUCT CUSTOMER DRAWING			
		0 PLACES			±		±	KHLIM		2015/06/29					
		ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER		
									78731		SEE TABLE		GENERAL MARKET		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3				DOCUMENT NUMBER		DOC TYPE		DOC PART	SHEET NUMBER			
A12			REV				SD-87831-0001		PSD		001	2 OF 13			



6 CIRCUITS

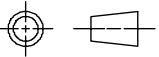


VIEW FOR HEADER WITH ONLY DUAL SLOTS



RECOMMENDED PCB LAYOUT

- NOTES:
1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50mm SQ PHOSPHOR BRONZE
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C. MOLEX 2mm MILLIGRID DUAL ROW RECEPTACLE: 79107 (GOLD PLATED), 78787 (TIN PLATED)

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SHT5, 10 ADD OPTIONS EC NO: 168777 DRWN: GMENARLY CHK'D: SCHEONG REV APPR: KHLIM		2017/09/08 2017/12/01 2018/01/02		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						SERIES		MATERIAL NUMBER		CUSTOMER	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						A3								87831		SEE TABLE		GENERAL MARKET	
DOCUMENT NUMBER SD-87831-0001												DOC TYPE PSD		DOC PART 001		SHEET NUMBER 4 OF 13					
A12		REV																			

9		8		7		6		5		4		3		2		1								
6 CIRCUITS																								
E	D	C	B	A	6	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
	87831-0619	N.A	N.A	1	N.A	N.A	YES	N.A	N.A	N.A	4.00	6.85	8.65	7.00	N.A	N.A	2.50	3.60±0.20						
	87831-0620	N.A	N.A	2																				
	87831-0621	N.A	N.A	3																				
	87831-0636	N.A	N.A	4																				
	87831-0628	N.A	N.A	2	N.A	N.A	YES	N.A	N.A	YES						N.A	2.50							
	87831-0629	N.A	N.A	3																				
	87831-0641	N.A	N.A	2	N.A	YES	YES	N.A	N.A	N.A						2.00	2.50							
	87831-0642	N.A	87831-5552	3															3.50					
	87831-5241	N.A	N.A	2	N.A	YES	YES	N.A	N.A	2.80														
	87831-5242	N.A	N.A	3													2.50			3.60 ^{+0.15} _{-0.10}				
	87831-6241	N.A	N.A	2	N.A	YES	YES	N.A	N.A	2.50														
	87831-6242	N.A	N.A	3												2.50								
	87831-0643	N.A	N.A	2	N.A	YES	N.A	YES	N.A	N.A								N.A	2.50		3.60±0.20			
	87831-0644	N.A	N.A	3																				
	87831-0645	N.A	N.A	2	N.A	YES	N.A	YES	N.A	YES														
	87831-0646	N.A	N.A	3																				
	87831-0632	N.A	N.A	2	N.A	YES	YES	N.A	N.A	YES						N.A	2.50	3.60±0.20						
	87831-5119	N.A	N.A	1	N.A	N.A	YES	N.A	YES	N.A														
	87831-5121	N.A	N.A	3																				
	87831-5136	N.A	N.A	4																				
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		02.01.2018	09:07:52																		
9		8		7		6		5		4		3		2		1								

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SHT5, 10 ADD OPTIONS

EC NO: 168777

DRWN: GMENARLY

CHK'D: SCHEONG

REV APPR: KHLIM

2017/09/08

2017/12/01

2018/01/02

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

2015/04/15

CHK'D BY

DATE

CGOH

2015/06/29

APPR BY

DATE

KHLIM

2015/06/29

DRAWING SIZE

THIRD ANGLE PROJECTION

A3

87831

SEE TABLE

GENERAL MARKET

DOCUMENT NUMBER

DOC TYPE

DOC PART

SHEET NUMBER

SD-87831-0001

PSD

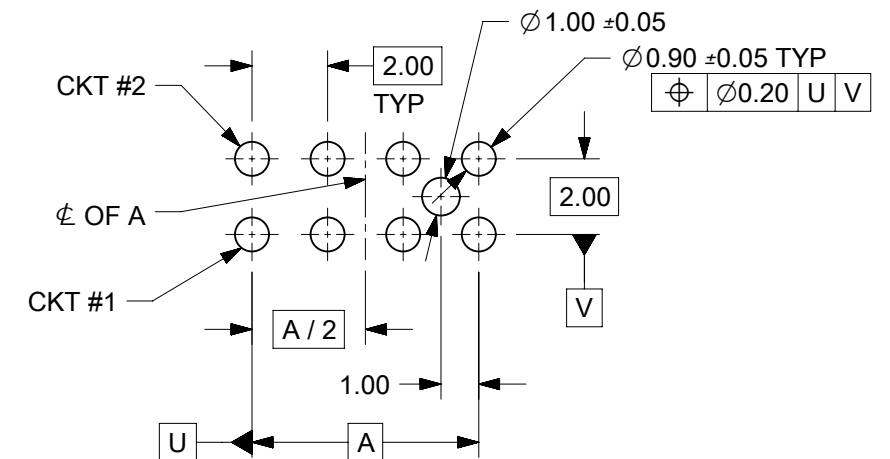
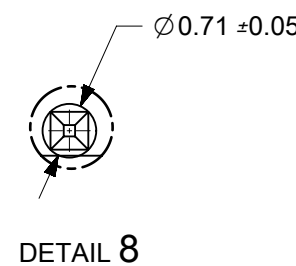
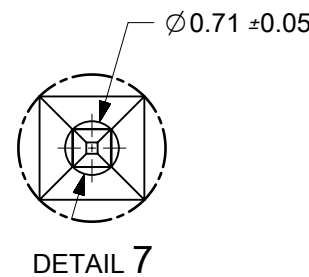
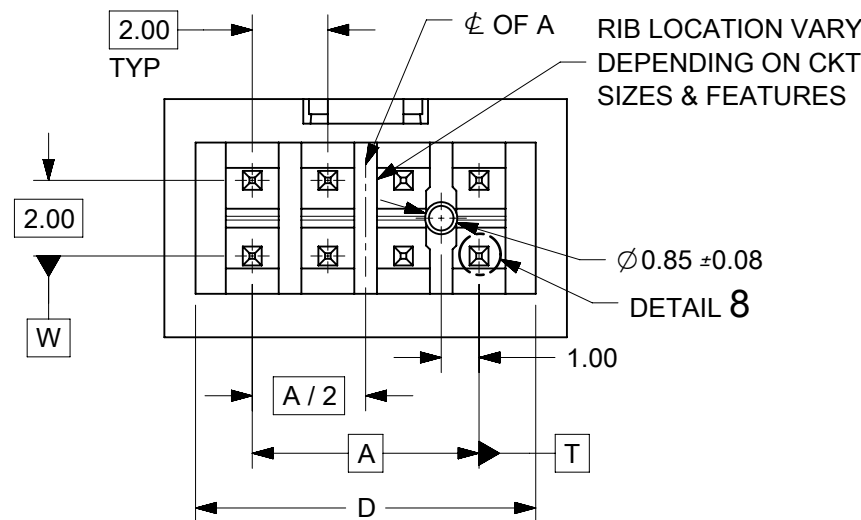
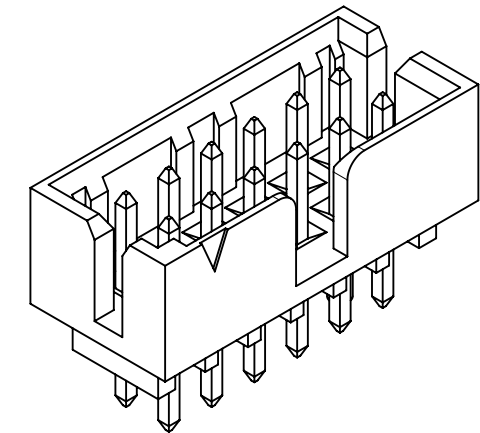
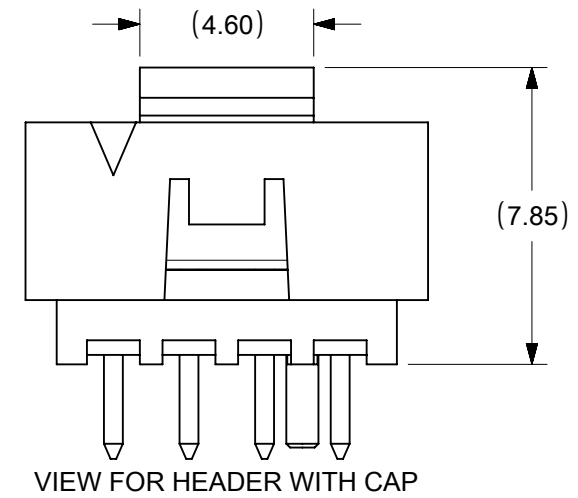
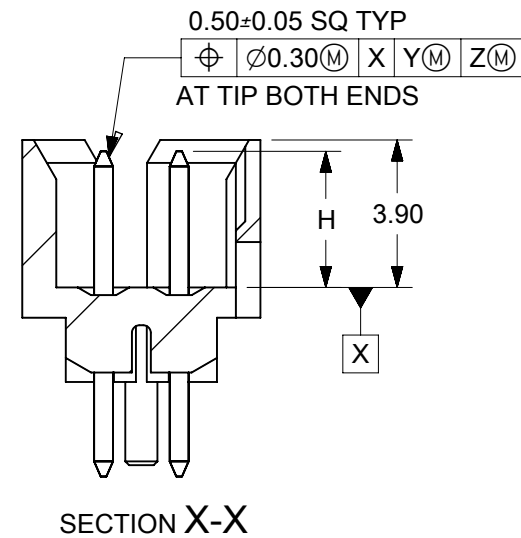
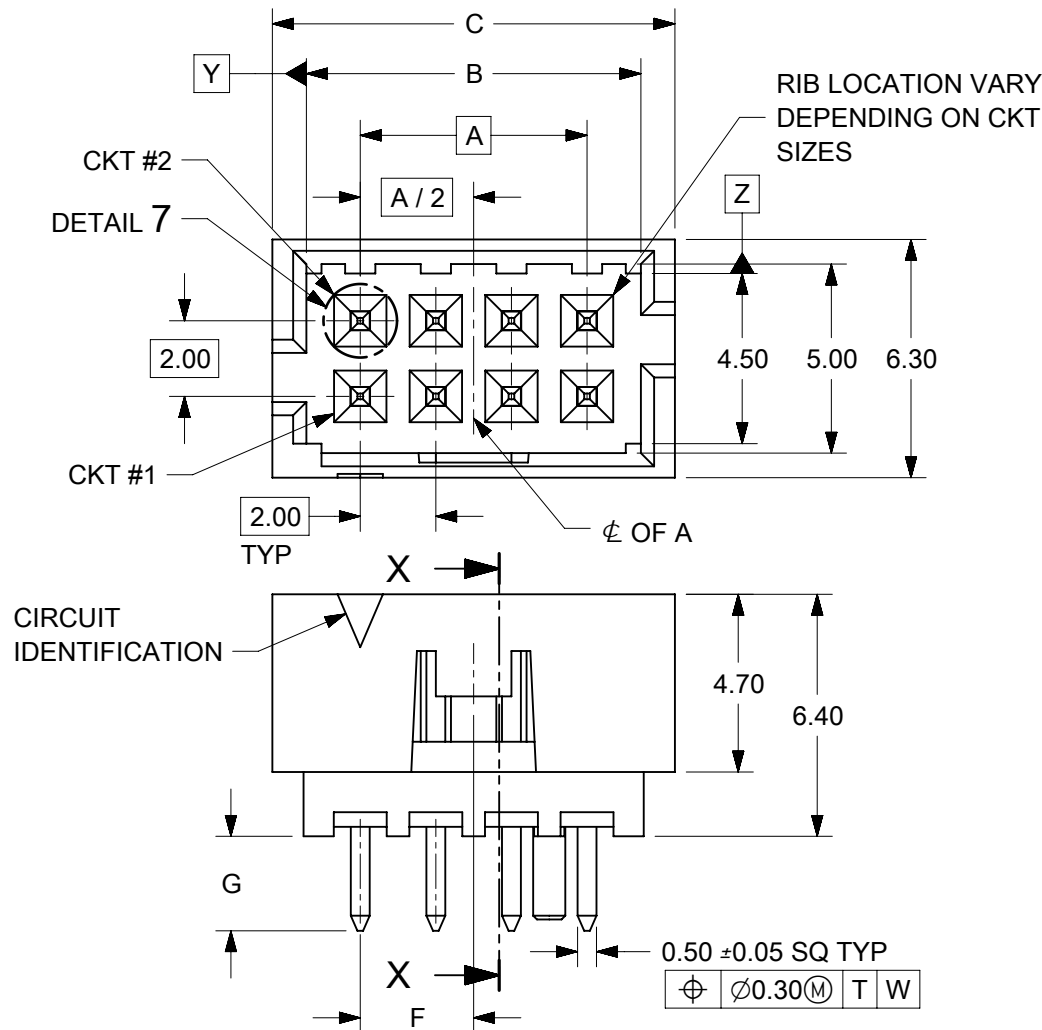
001

5 OF 13

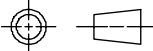
2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER

PRODUCT CUSTOMER DRAWING

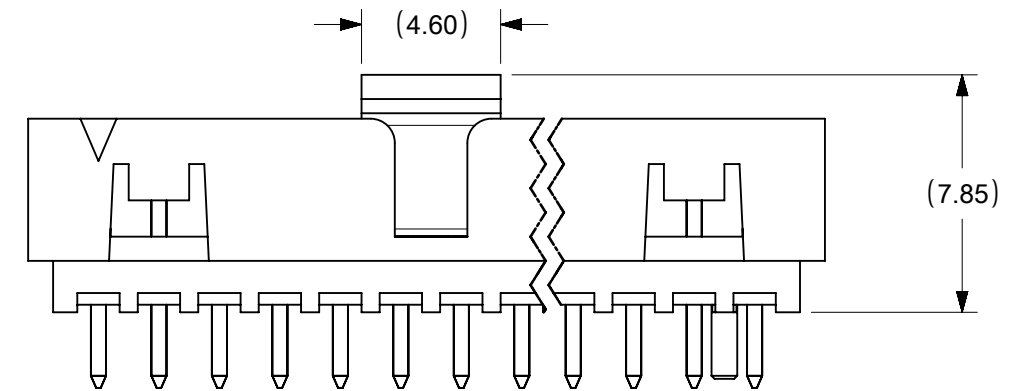
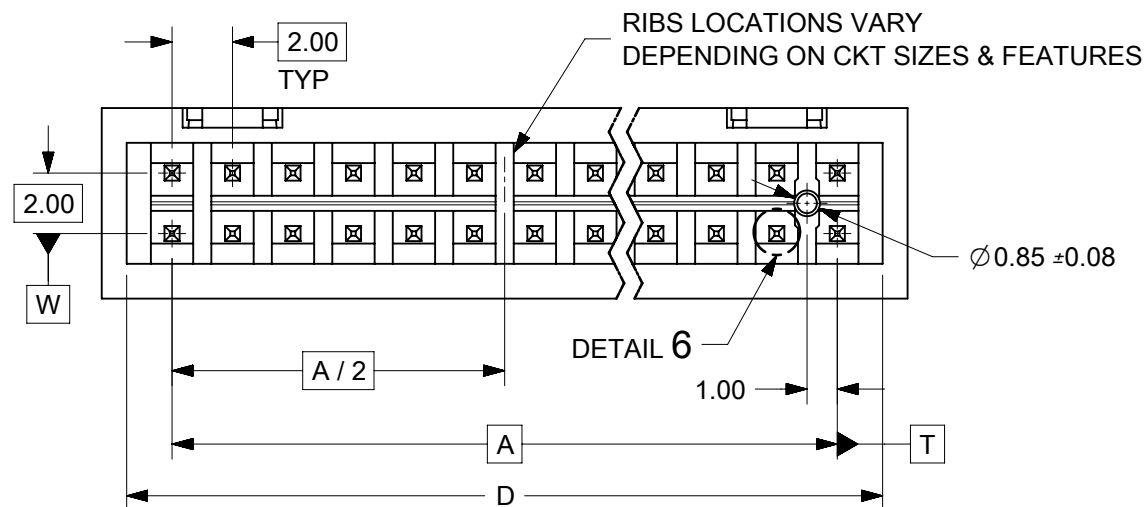
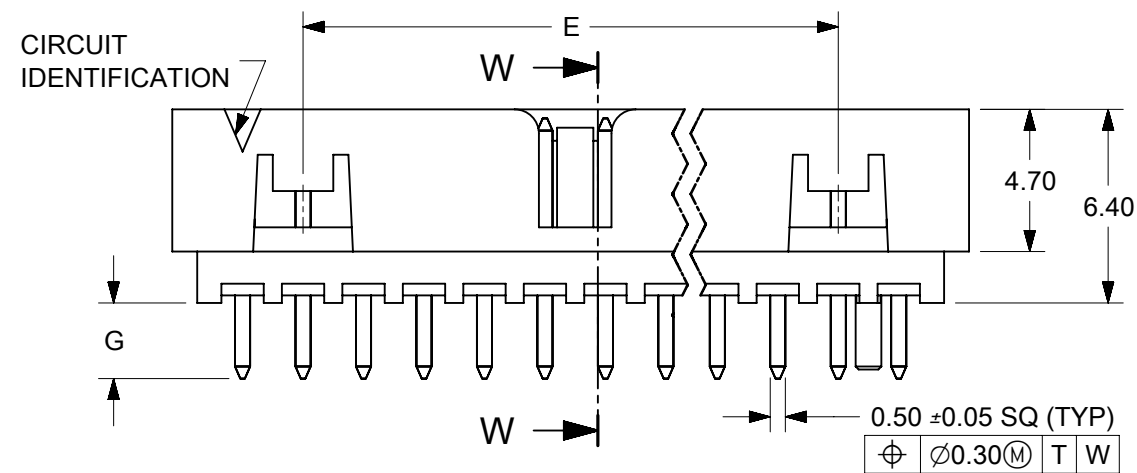
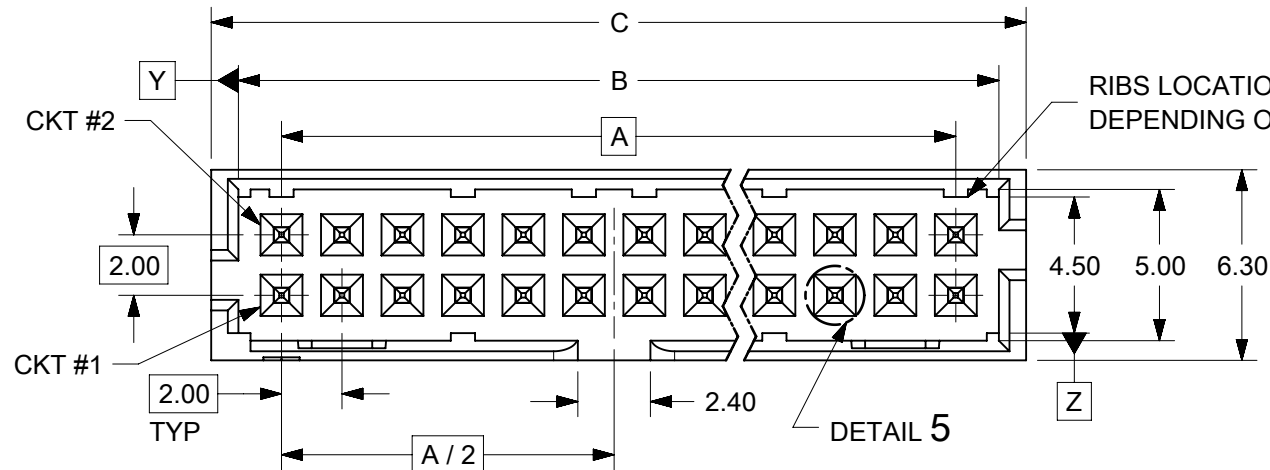
8 TO 12 CIRCUITS



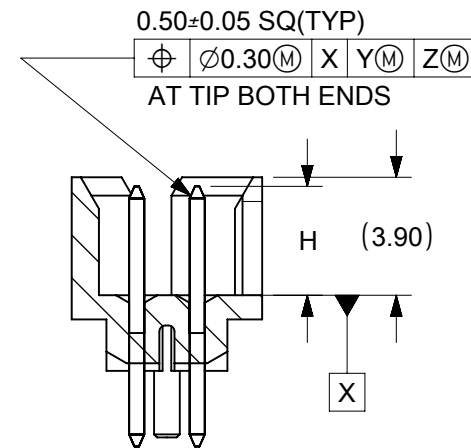
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C. MOLEX 2mm MILLIGRID DUAL ROW RECEPTACLE: 79107 (GOLD PLATED), 78787 (TIN PLATED)

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					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								SERIES
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	A12	REV	APP	KHLIM	A3		87831			SEE TABLE			GENERAL MARKET
DOCUMENT NUMBER									DOC TYPE		DOC PART		SHEET NUMBER		
SD-87831-0001									PSD		001		6 OF 13		

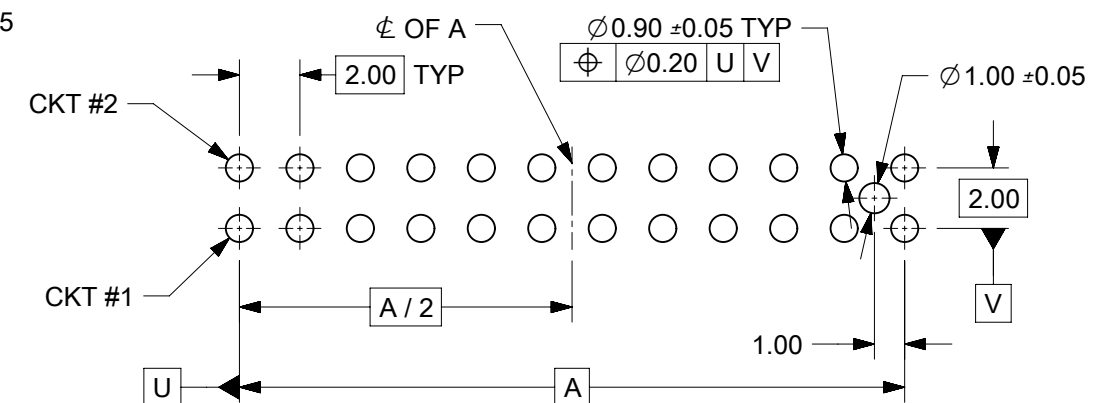
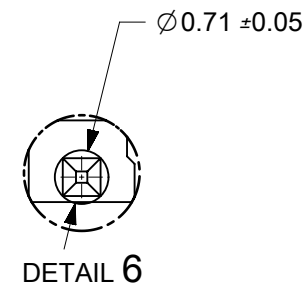
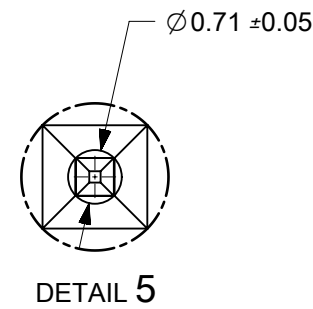
14 TO 50 CIRCUITS



VIEW FOR HEADER WITH CAP



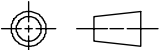
SECTION W-W



RECOMMENDED PCB LAYOUT

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HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
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RELEASE STATUS	P1	RELEASE DATE	02.01.2018	09:07:52
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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		
SHT5, 10 ADD OPTIONS EC NO: 168777 DRWN: GMENARLY CHK'D: SCHEONG REV APPR: KHLIM		GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®									
					MM		NTS											
					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		SERIES		MATERIAL NUMBER			CUSTOMER				
					A3				87831		SEE TABLE			GENERAL MARKET				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							DOCUMENT NUMBER			DOC TYPE		DOC PART		SHEET NUMBER				
A12							SD-87831-0001			PSD		001		9 OF 13				

9		8		7		6		5		4		3		2		1							
14 TO 20 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	PLATING OPTIONS	FRICTION LOCKS		SIDE SLOTS		CENTER POLARIZATION	PEG	DIMENSION											
						DUAL	CENTER	DUAL	SINGLE			A	B	C	D	E	F	G	H				
	14	87831-1419	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	12.00	14.85	16.65	15.00	8.00	N.A	2.50	3.60±0.20				
		87831-1420	87831-1430	87831-5554	2																		
		87831-1421	N.A	87831-5560	3																		
		87831-1436	N.A	N.A	4																		
		87831-1428	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50					
		87831-1429	N.A	87831-5563	3																		
		87831-1435	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES							3.50					
87831-1410		N.A	N.A	2	YES	N.A	YES	N.A	YES	N.A	3.50												
87831-1411	N.A	N.A	3																				
D	16	87831-1619	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	14.00	16.85	18.65	17.00	10.00	N.A	2.50	3.60±0.20				
		87831-1620	N.A	N.A	2																		
		87831-1621	N.A	N.A	3																		
		87831-1636	N.A	N.A	4																		
		87831-1628	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50					
		87831-1629	N.A	87831-5559	3																		
		87831-1635	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES							3.50					
		C	18	87831-1819	N.A	N.A	1	YES	N.A	YES	N.A							YES		N.A	16.00	18.85	20.65
87831-1820	N.A			87831-5566	2																		
87831-1821	N.A			N.A	3																		
87831-1836	N.A			N.A	4																		
87831-1828	N.A			N.A	2	YES	N.A	YES	N.A	YES	YES	2.50											
87831-1829	N.A			N.A	3																		
B	20	87831-2019	N.A	N.A	1	YES	N.A	YES	N.A	YES	N.A	18.00	20.85	22.65	21.00	14.00	N.A	2.50	3.60±0.20				
		87831-2020	N.A	N.A	2																		
		87831-2021	N.A	N.A	3																		
		87831-2036	N.A	N.A	4																		
		87831-2028	N.A	N.A	2	YES	N.A	YES	N.A	YES	YES							2.50					
		87831-2029	N.A	N.A	3																		
		87831-2035	N.A	N.A	3	YES	N.A	YES	N.A	YES	YES							3.50					
		87831-2010	N.A	N.A	2	YES	N.A	YES	N.A	YES	N.A							3.50					
87831-2011	N.A	N.A	3																				
A	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.																						
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																						
	SHT5, 10 ADD OPTIONS EC NO: 168777 DRWN: GMENARLY CHK'D: SCHEONG REV APPR: KHLIM	2017/09/08 2017/12/01 2018/01/02	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®													
				MM	INCH	MM		NTS															
			4 PLACES	±		±	DRWN BY		DATE		MILLIGRID 2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER												
			3 PLACES	±		±	GMENARLY		2015/04/15														
			2 PLACES	±	0.2	±	CHK'D BY		DATE														
			1 PLACES	±		±	CGOH		2015/06/29														
			0 PLACES	±		±	APPR BY		DATE		PRODUCT CUSTOMER DRAWING												
			ANGULAR TOL ± 3.0			KHLIM		2015/06/29															
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRAWING SIZE		THIRD ANGLE PROJECTION															
			A12	REV				A3				87831 SEE TABLE GENERAL MARKET											
RELEASE STATUS		P1	RELEASE DATE		02.01.2018	09:07:52		SD-87831-0001										DOC TYPE	PSD	DOC PART	001	SHEET NUMBER	10 OF 13
9		8		7		6		5		4		3		2		1							

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	YES	N.A	YES	N.A	YES	YES							2.50	
	87831-2228	N.A	N.A	2														
	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														
	87831-2410	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: 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	02.01.2018	09:07:52														
9		8		7		6		5		4		3		2		1		

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SHT5, 10 ADD OPTIONS

EC NO: 168777

DRWN: GMENARLY

CHK'D: SCHEONG

REV APPR: KHLIM

2017/09/08

2017/12/01

2018/01/02

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

2015/04/15

CHK'D BY

DATE

CGOH

2015/06/29

APPR BY

DATE

KHLIM

2015/06/29

DRAWING SIZE

A3

THIRD ANGLE PROJECTION

molex®

MILLIGRID

2MM PITCH, THROUGH HOLE VERTICAL SHROUDED HEADER

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
87831	SEE TABLE	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-87831-0001	PSD	001	11 OF 13

[illegible]

Mouser Electronics

Authorized Distributor

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