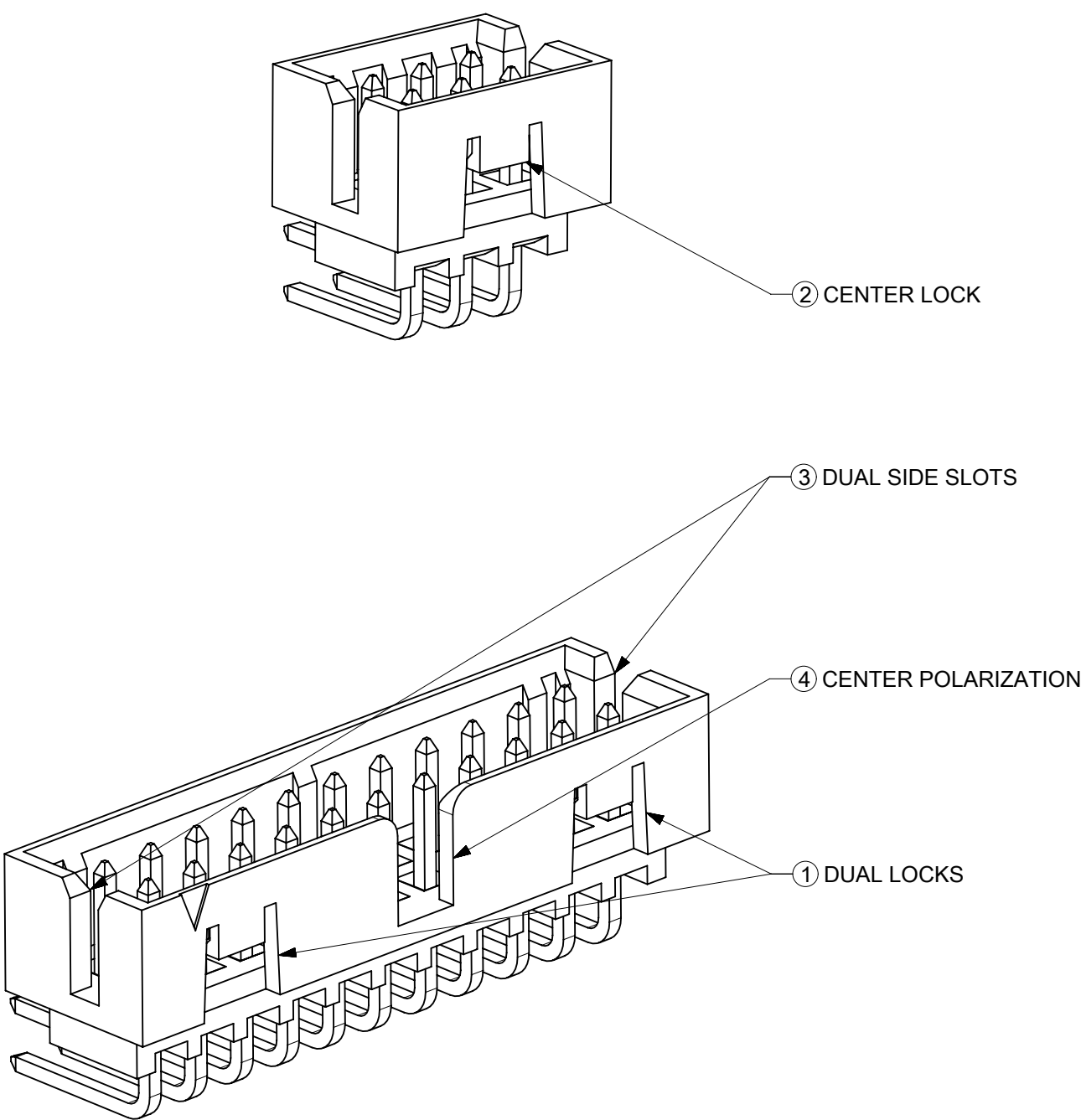


FEATURES SELECTION GUIDE



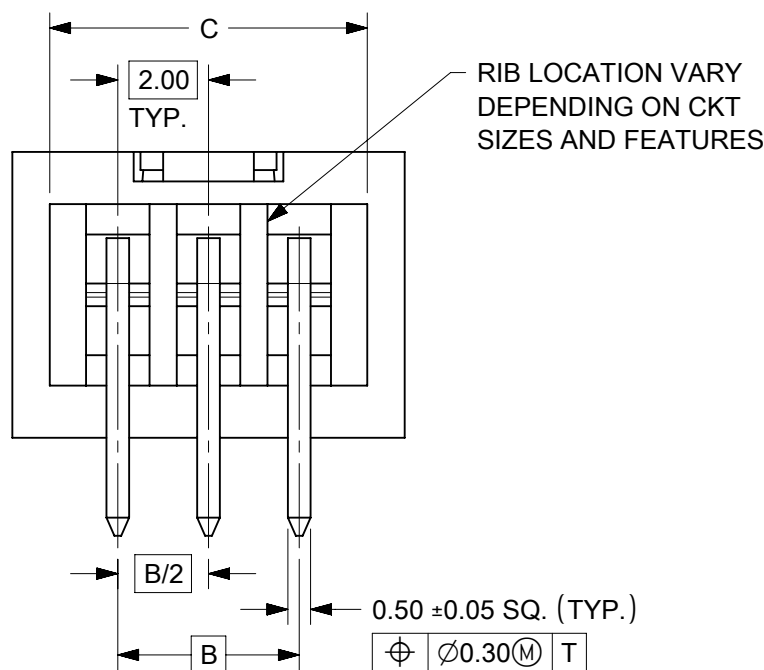
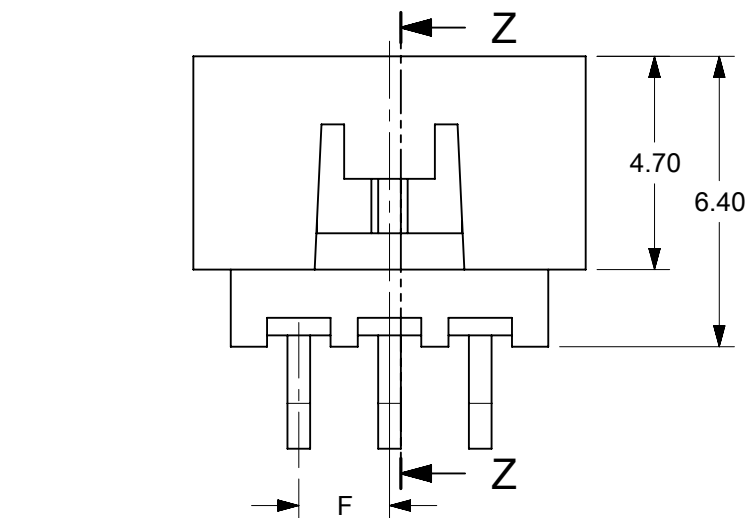
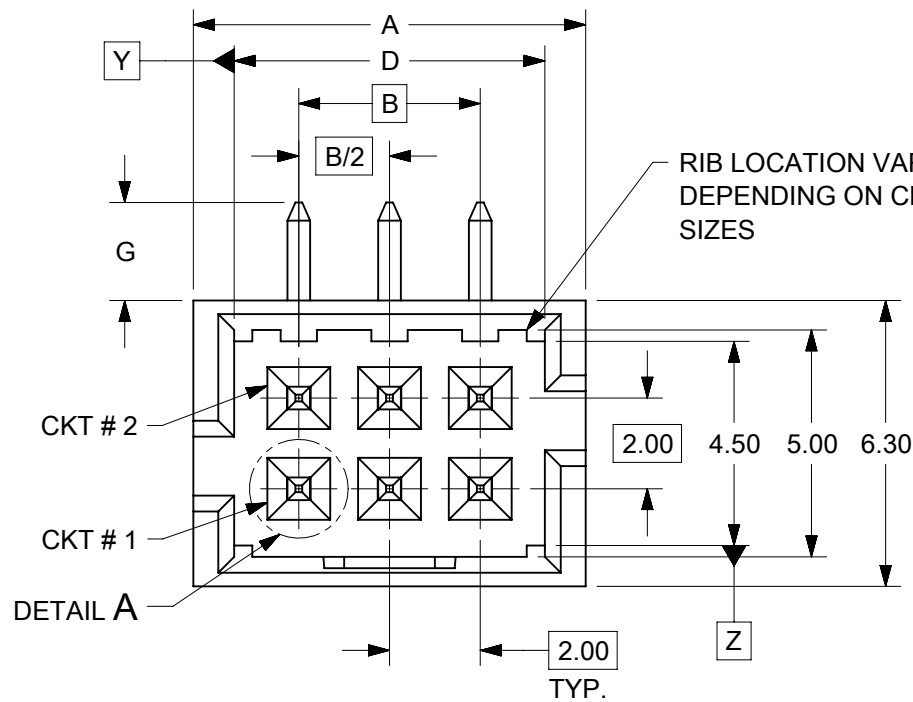
CIRCUIT SIZE	FEATURES				
	FRICTION LOCKS		③ DUAL SIDE SLOTS	④ CENTER POLARIZATION	SHEET NO
	① DUAL	②CENTER			
4 TO 6	N.A	N.A	YES	N.A	2 - 3
	N.A	YES	YES	N.A	
8 TO 12	N.A	N.A	YES	YES	4 - 5
	N.A	YES	YES	N.A	
14 TO 50	YES	N.A	YES	YES	6 - 9
	N.A	N.A	YES	YES	

PACKAGING SPECIFICATION TABLE

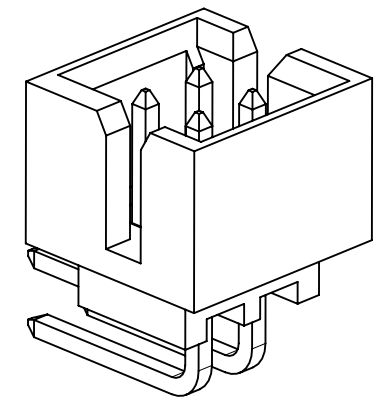
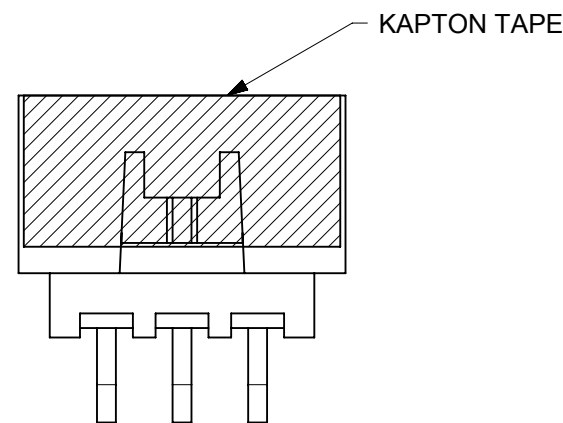
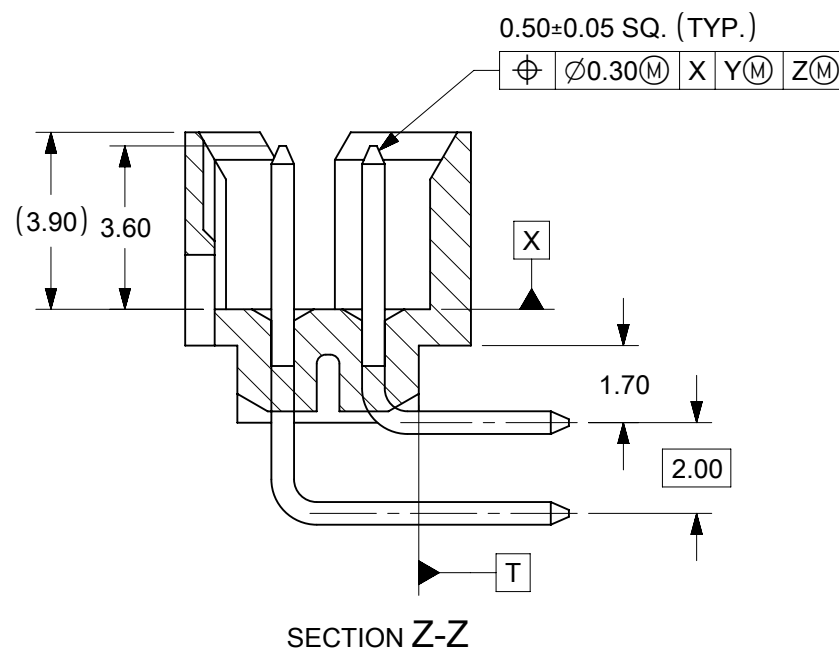
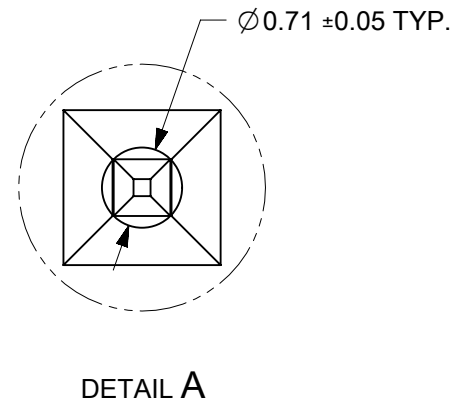
TAPE AND REEL PACKAGING	PK-87831-300
TUBE STANDARD PACKAGING	PK-87831-001
TUBE NON-STANDARD PACKAGING FOR: 87833-0861 87833-1420	PK-87831-002

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
EC NO: 718010 DRWN: DANUSA CHK'D: DANUSA APPR: MRAMAKRISHNA	2022/08/26 2022/09/19 2022/09/19	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex® MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE						
			MM	INCH	DRWN BY		DATE								
		4 PLACES	±	±	GMENARLY		2015/09/29								
		3 PLACES	±	±	CHK'D BY		DATE								
		2 PLACES	± 0.2	±	CGOH		2015/10/30								
		1 PLACES	±	±	APPR BY		DATE								
		0 PLACES	±	±	KHLIM		2015/11/03								
		ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES	MATERIAL NUMBER			CUSTOMER		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3				87833	SEE TABLE			GENERAL MARKET		
A13	REV							DOCUMENT NUMBER			DOC TYPE	DOC PART	SHEET NUMBER		
								SD-87833-0001			PSD	001	1 OF 9		

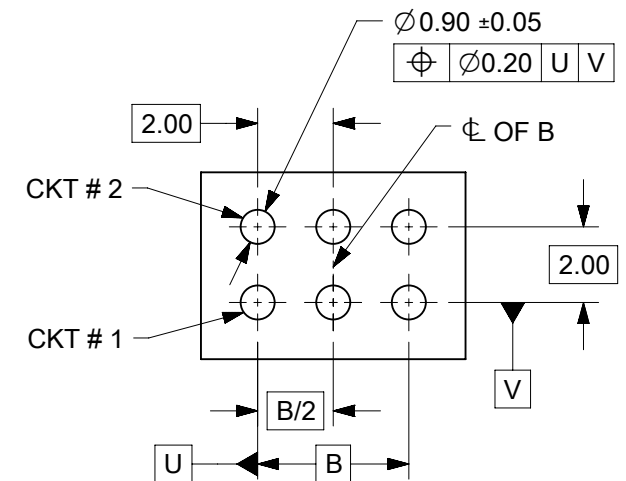
RELEASE STATUS	P1	RELEASE DATE	2022/09/19	07:59:04
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4 TO 6 CIRCUITS



ISO VIEW OF HEADER
DUAL SIDE SLOTS



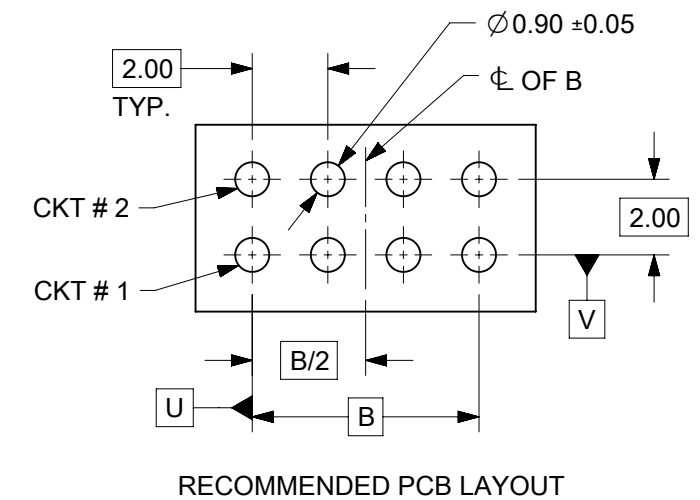
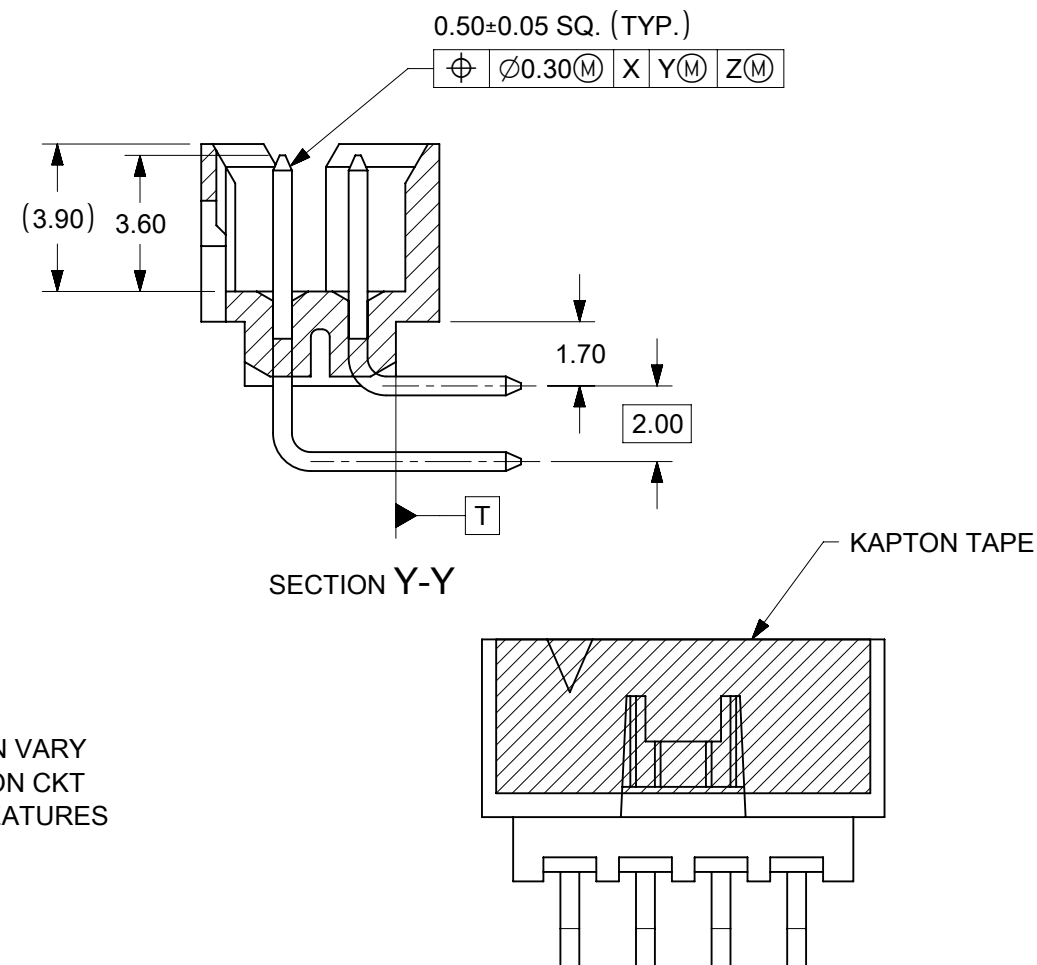
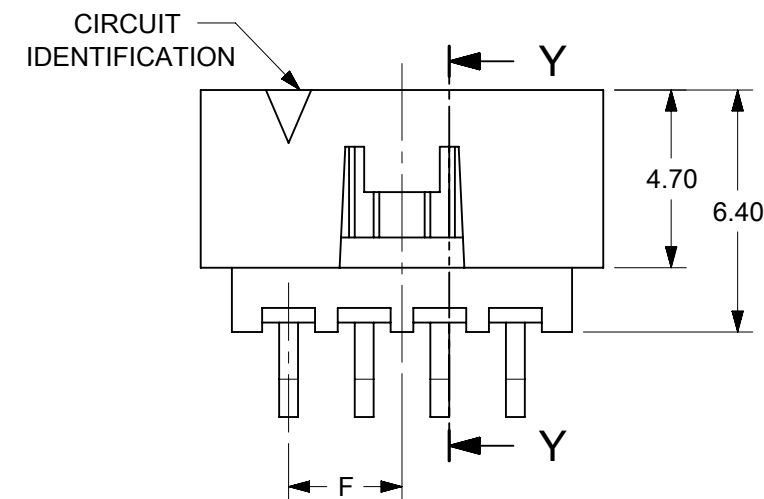
RECOMMENDED PCB LAYOUT

NOTES:

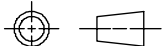
1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK.
PIN: 0.50mm SQ. PHOSPHOR BRONZE.
2. FINISHES: REFER TO PLATING OPTIONS.
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND 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. FOR ILLUSTRATION PURPOSE, 6 CIRCUITS HEADER IS SHOWN.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
EC NO: 718010 DRWN: DANUSA CHK'D: DANUSA APPR: MRAMAKRISHNA	2022/08/26 2022/09/19 2022/09/19	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex[®] MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE					
					MM		NTS							
			MM	INCH	DRWN BY		DATE		PRODUCT CUSTOMER DRAWING SERIES 87833 MATERIAL NUMBER SEE TABLE CUSTOMER GENERAL MARKET					
		4 PLACES	±	±	GMENARLY		2015/09/29							
		3 PLACES	±	±	CHK'D BY		DATE							
		2 PLACES	± 0.2	±	CGOH		2015/10/30							
		1 PLACES	±	±	APPR BY		DATE							
		0 PLACES	±	±	KHLIM		2015/11/03							
		ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION		DOCUMENT NUMBER SD-87833-0001 DOC TYPE PSD DOC PART 001 SHEET NUMBER 2 OF 9					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3									

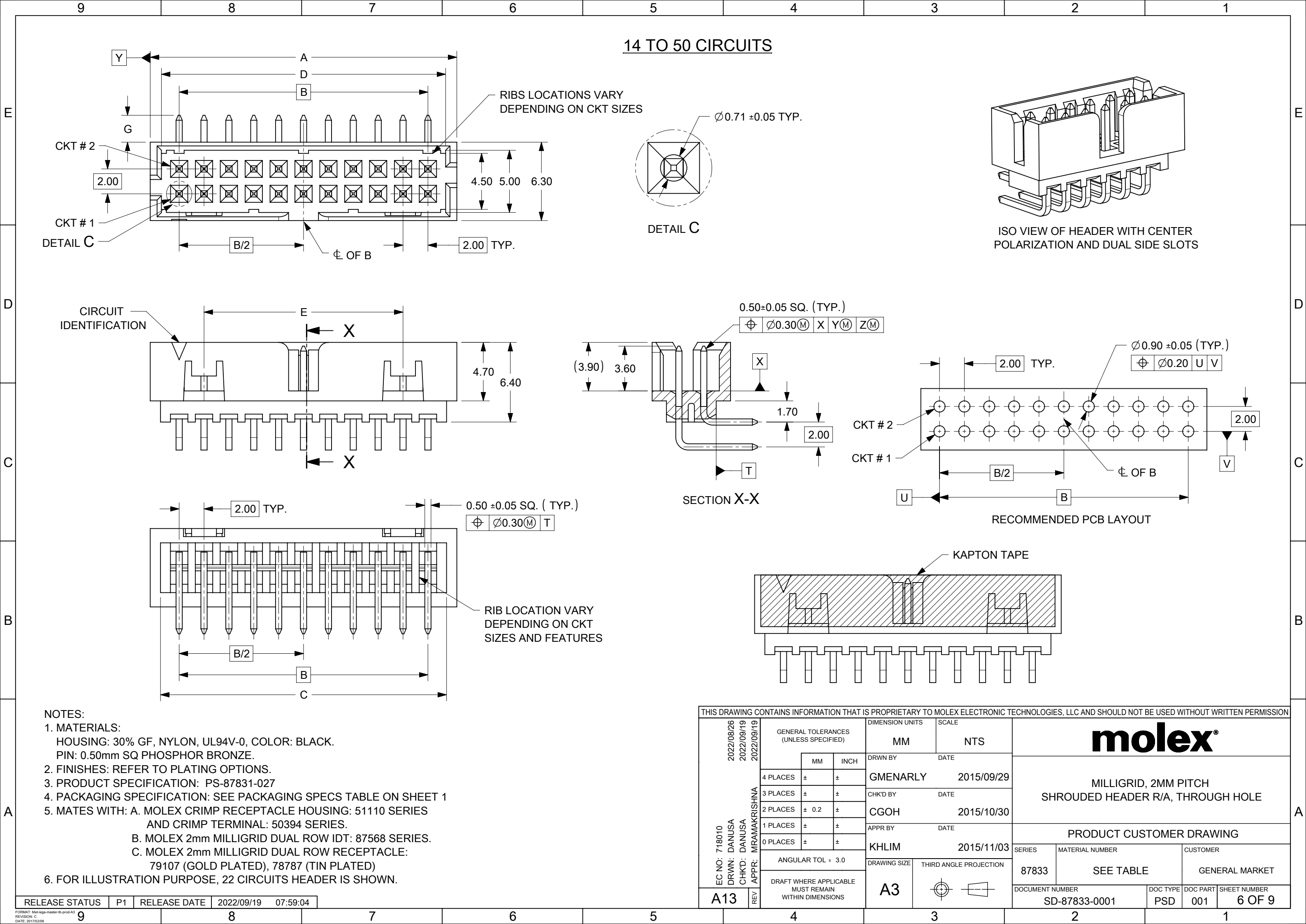
DETAIL B



- 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)
 6. FOR ILLUSTRATION PURPOSE, 8 CIRCUIT HEADER IS SHOWN.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
EC NO: 718010 DRWN: DANUSA CHK'D: DANUSA APPR: MIRAMAKRISHNA	2022/08/26	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®							
	2022/09/19				MM		NTS									
	2022/09/19		MM	INCH	DRWN BY		DATE		MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE							
	4 PLACES	±	±	GMENARLY		2015/09/29										
	3 PLACES	±	±	CHK'D BY		DATE										
	2 PLACES	± 0.2	±	CGOH		2015/10/30										
	1 PLACES	±	±	APPR BY		DATE										
	0 PLACES	±	±	KHLIM		2015/11/03										
	ANGULAR TOL = 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER			CUSTOMER			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3				87833		SEE TABLE			GENERAL MARKET			
A13	REV					DOCUMENT NUMBER				DOC TYPE		DOC PART		SHEET NUMBER		
				SD-87833-0001				PSD		001		4 OF 9				

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8 TO 12 CIRCUITS																																																																																																																																																									
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26 TO 38 CIRCUITS																											
E	26	87833-2619 87833-2620 87833-2621 87833-2636	N.A N.A N.A N.A	N.A N.A N.A N.A	1 2 3 3	YES YES	N.A N.A	YES YES	YES YES	DIMENSION																	
										28.65	24.00	27.00	26.85	20.00	N.A	2.16 3.50											
	28	87833-2819 87833-2820 87833-2821 87833-6620	N.A N.A N.A N.A	N.A N.A N.A N.A	1 2 3 2	YES YES	N.A N.A	YES YES	YES YES	30.65	26.00	29.00	28.85	22.00	N.A	2.16 3.18											
	D	30	87833-3019 87833-3020 87833-3021 87833-6720 87833-6721 87833-3036	N.A N.A N.A N.A N.A N.A	N.A N.A N.A N.A N.A N.A	1 2 3 2 3 3	YES YES	N.A N.A	YES YES	YES YES	32.65	28.00	31.00	30.85	24.00	N.A	2.16 3.18 3.50										
32							87833-3219 87833-3220 87833-3221	N.A N.A N.A	N.A N.A N.A	1 2 3							YES YES	N.A N.A	YES YES	YES YES	34.65	30.00	33.00	32.85	26.00	N.A	2.16
C	34	87833-3419 87833-3420 87833-3421 87833-5420 87833-3424	N.A N.A N.A N.A N.A	N.A N.A N.A N.A N.A	1 2 3 2 2	YES YES N.A	N.A N.A N.A	YES YES YES	YES YES YES	36.65	32.00	35.00	34.85	28.00	N.A	2.16 3.18 2.92											
						36	87833-3619 87833-3620 87833-3621	N.A N.A N.A	N.A N.A N.A							1 2 3	YES YES	N.A N.A	YES YES	YES YES	38.65	34.00	37.00	36.85	30.00	N.A	2.16
B	38	87833-3819 87833-3820 87833-3821	N.A N.A N.A	N.A N.A N.A	1 2 3	YES YES	N.A N.A	YES YES	YES YES	40.65	36.00	39.00	38.85	32.00	N.A	2.16											

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.

RELEASE STATUS

P1

RELEASE DATE

2022/09/19 07:59:04

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				
EC NO: 718010 DRWN: DANUSA CHK'D: DANUSA REV APPR: MRAMAKRISHNA	2022/08/26 2022/09/19 2022/09/19	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®											
			MM	INCH	MM		NTS													
		4 PLACES	±		±	DRWN BY		DATE		MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE										
		3 PLACES	±		±	GMENARLY		2015/09/29												
		2 PLACES	±	0.2	±	CHK'D BY		DATE		PRODUCT CUSTOMER DRAWING										
		1 PLACES	±		±	CGOH		2015/10/30												
		0 PLACES	±		±	APPR BY		DATE		SERIES 87833										
		ANGULAR TOL ± 3.0			KHLIM		2015/11/03		MATERIAL NUMBER SEE TABLE											
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRAWING SIZE		THIRD ANGLE PROJECTION		DOCUMENT NUMBER SD-87833-0001											
					A3															DOC TYPE PSD

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