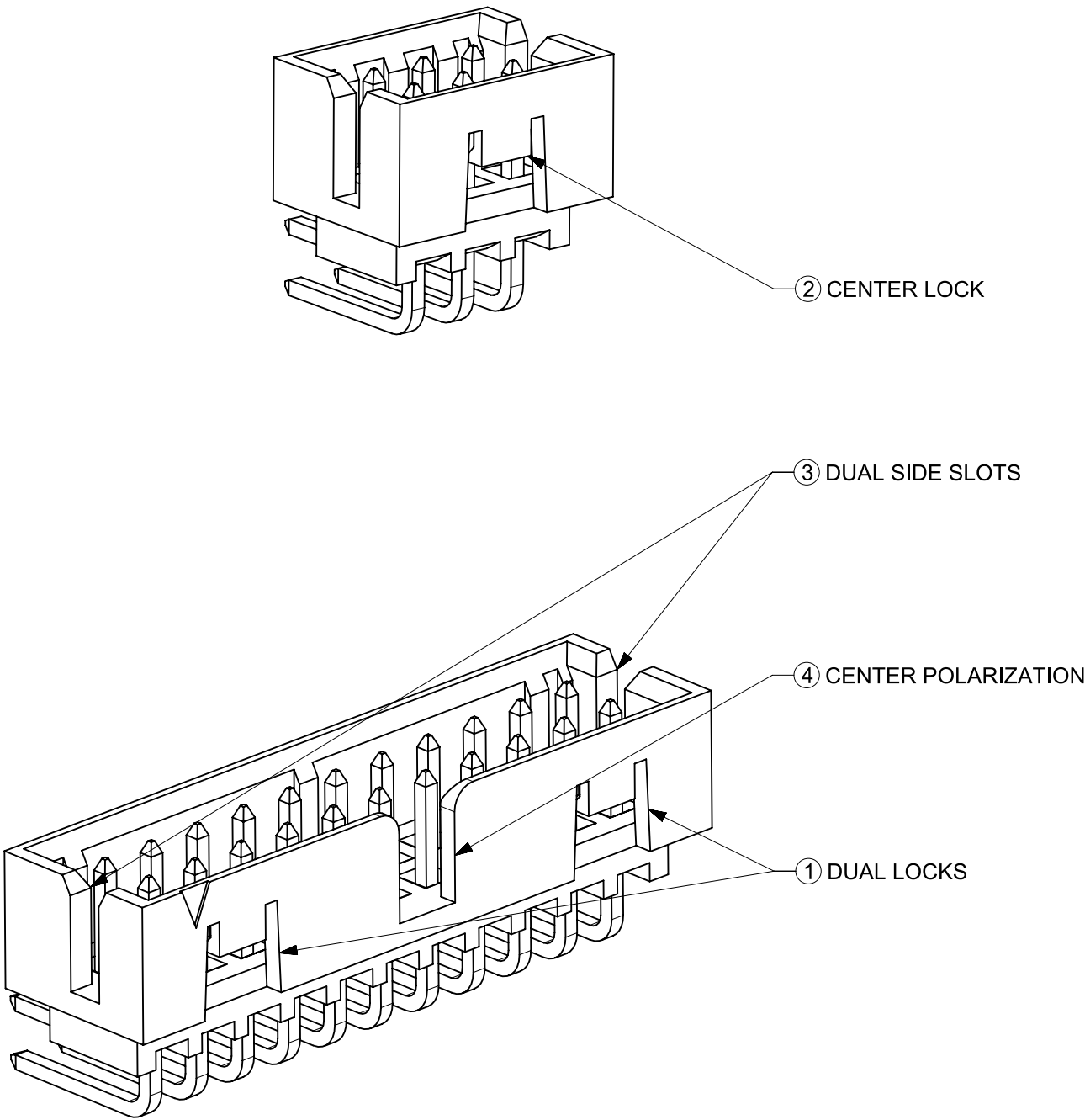


FEATURES SELECTION GUIDE



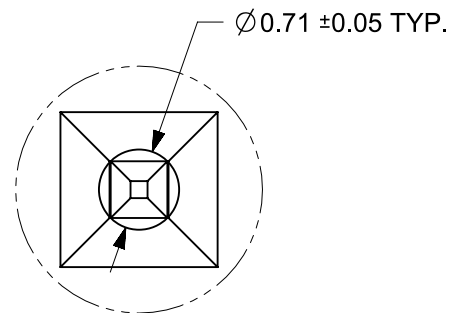
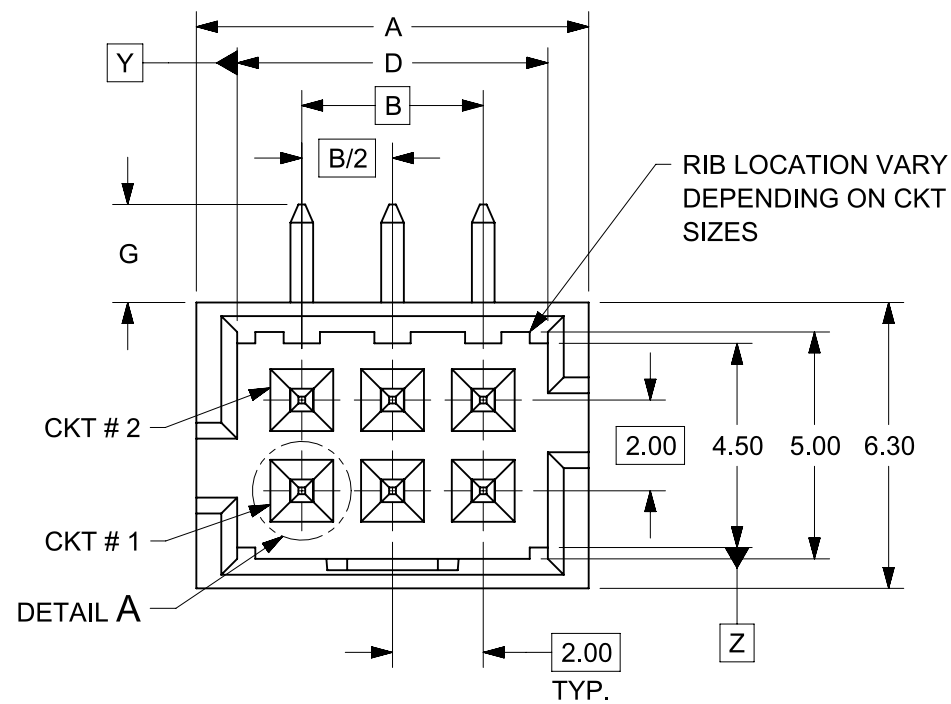
CIRCUIT SIZE	FEATURES				
	FRICTION LOCKS		③ DUAL SIDE SLOTS	④ CENTER POLARIZATION	SHEET NO
	① DUAL	② CENTER			
4 TO 6	N.A	N.A	YES	N.A	2 - 3
	N.A	YES	YES	N.A	
8 TO 12	N.A	N.A	YES	YES	4 - 5
	N.A	YES	YES	N.A	
14 TO 50	YES	N.A	YES	YES	6 - 9
	N.A	N.A	YES	YES	

PACKAGING SPECIFICATION TABLE

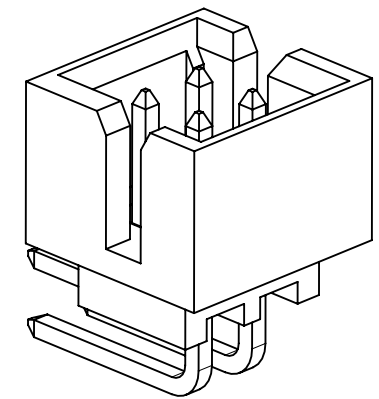
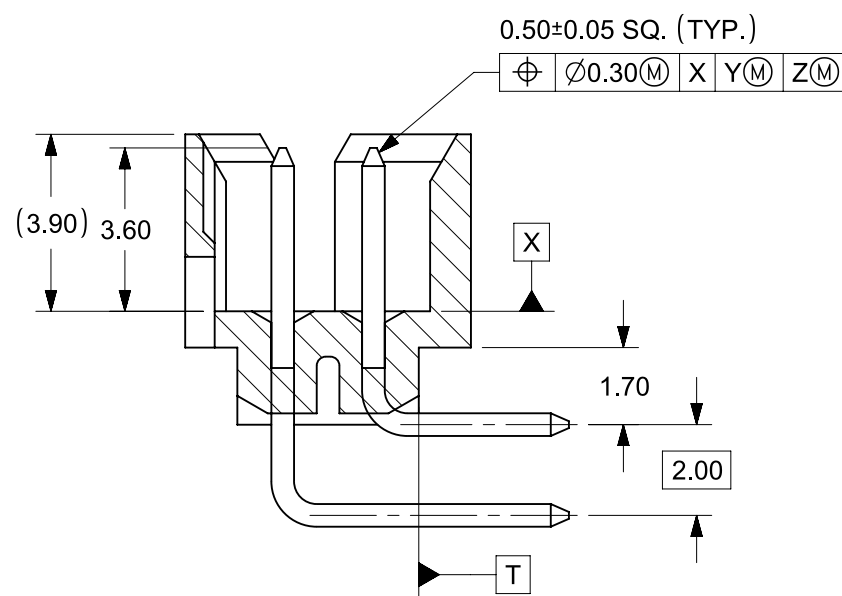
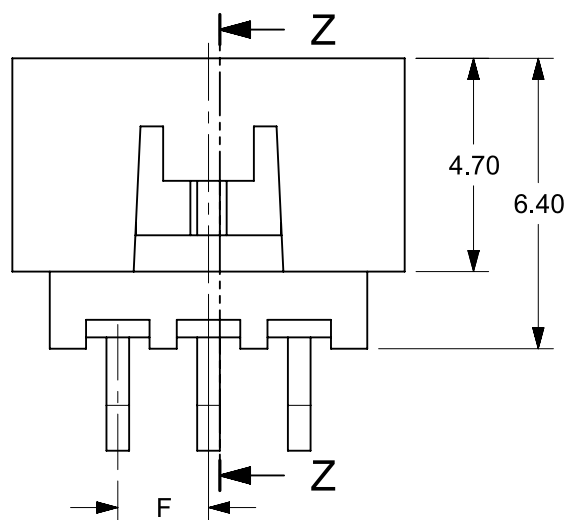
TAPE AND REEL PACKAGING	PK-87831-300
TUBE STANDARD PACKAGING	PK-87831-001
TUBE NON-STANDARD PACKAGING FOR: 87833-0861 87833-1420	PK-87831-002

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
<										

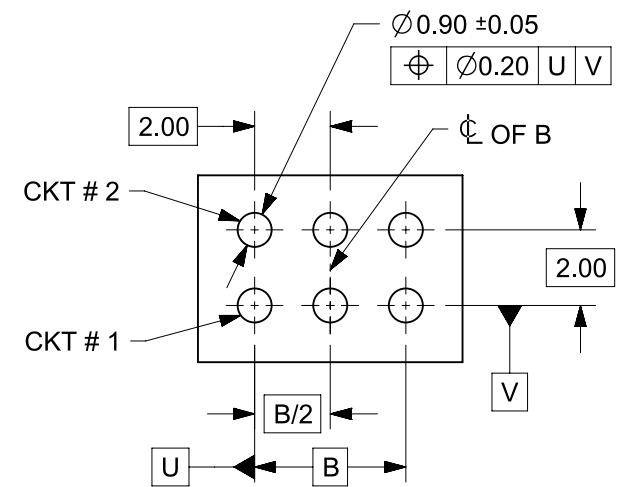
4 TO 6 CIRCUITS



DETAIL A

ISO VIEW OF HEADER
DUAL SIDE SLOTS

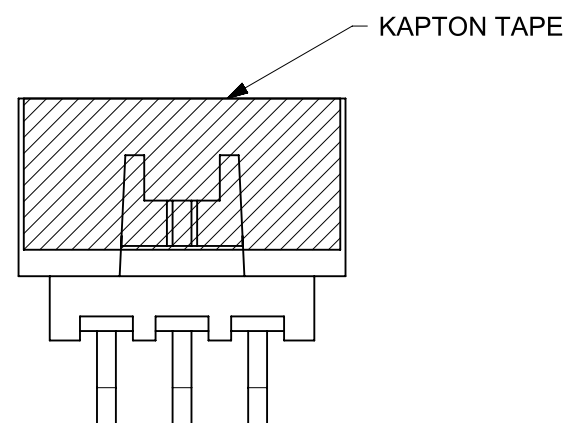
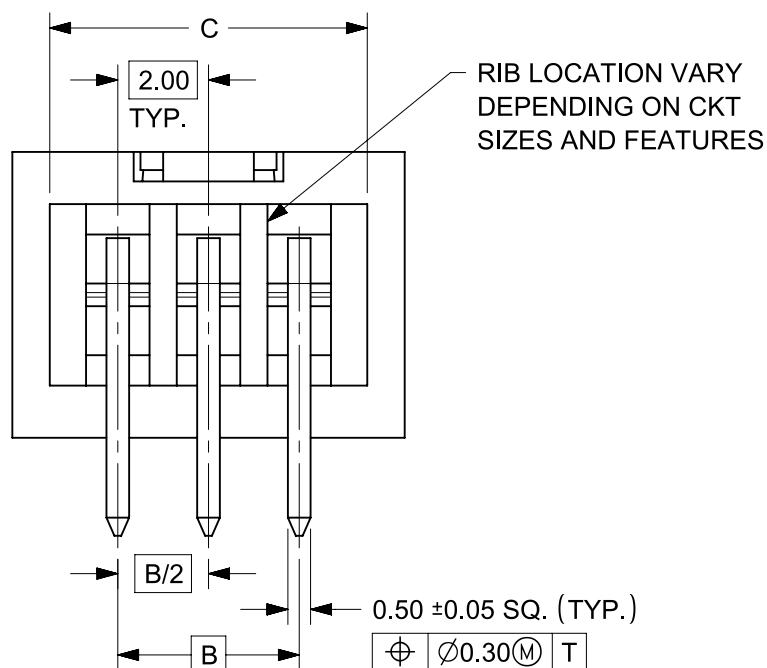
SECTION Z-Z



RECOMMENDED PCB LAYOUT

NOTES:

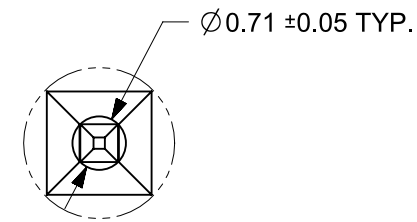
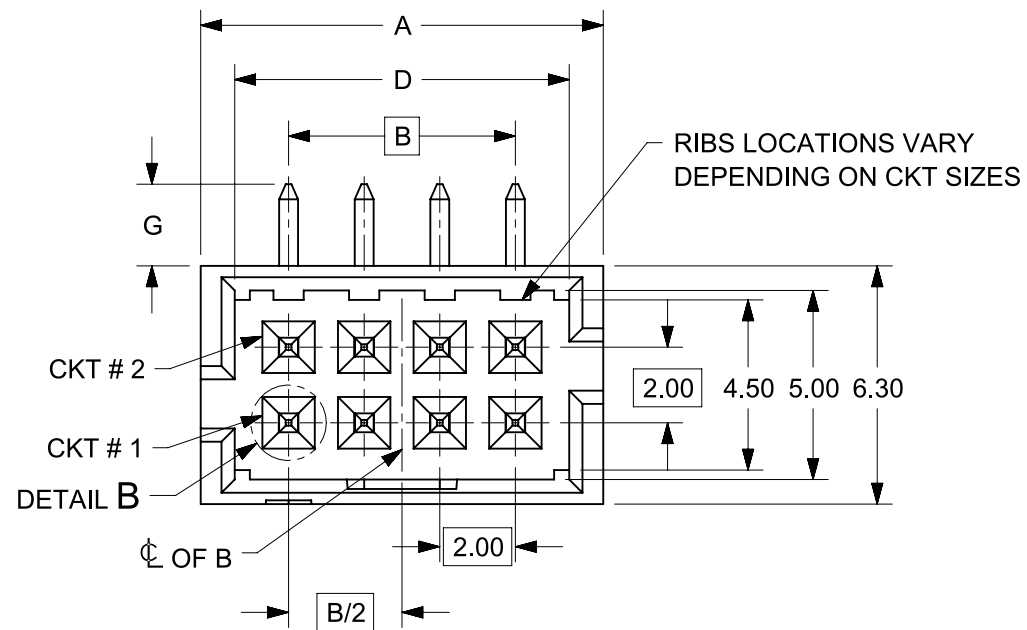
1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK.
PIN: 0.50mm SQ. PHOSPHOR BRONZE.
2. FINISHES: REFER TO PLATING OPTIONS.
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND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



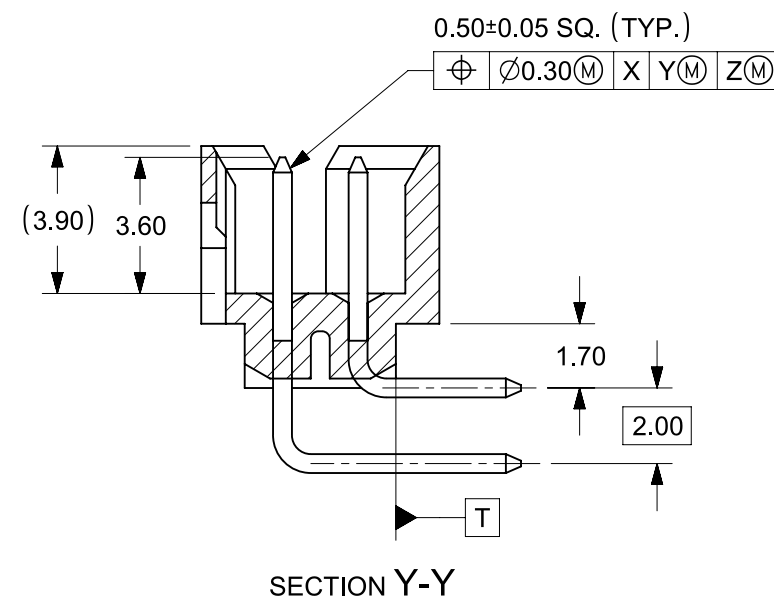
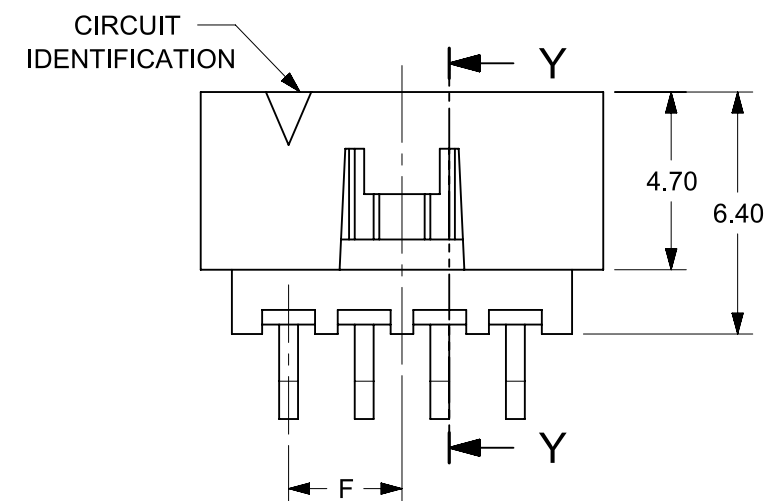
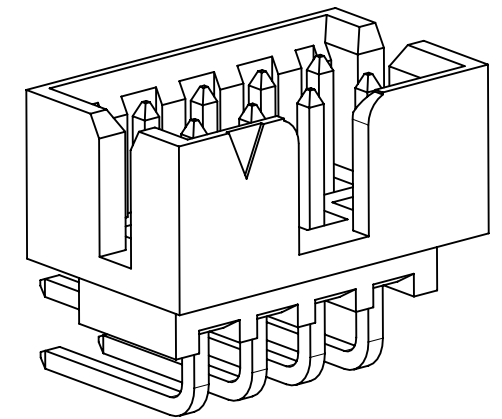
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
	DIMENSION UNITS		SCALE	CURRENT REV DESC: Adding New Part Numbers			molex			
$F_A = 0$	mm	5:1								
$F_C = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)									
$F_P = 0$	ANGULAR TOL ± 3°									
DIVISIONAL SYMBOLS	4 PLACES	±								
	3 PLACES	±								
	2 PLACES	± 0.200								
	1 PLACE	±								
	0 PLACES	±								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
				A3-SIZE	87833	SEE TABLE		GENERAL MARKET		2 OF 9

	10	9	8	7	6	5	4	3	2	1	
F	4 TO 6 CIRCUITS										F
E	D	C	B	A	F	E	D	C	B	A	F
E	D	C	B	A	F	E	D	C	B	A	F
E	D	C	B	A	F	E	D	C	B	A	F
E	D	C	B	A	F	E	D	C	B	A	F
E	D	C	B	A	F	E	D	C	B	A	F
E	D	C	B	A	F	E	D	C	B	A	F
E	D	C	B	A	F	E	D	C	B	A	F
E	D	C	B	A	F	E	D	C	B	A	F
E	D	C	B	A	F	E	D	C	B	A	F
E	D	C	B	A	F	E	D	C	B	A	F
E	D	C	B	A	F	E	D	C	B	A	F
E	D	C	B	A	F	E	D	C	B	A	F
E	D	C	B	A	F	E	D	C	B	A	F
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E	D	C	B	A	F	E	D	C	B	A	F
E	D	C	B	A	F	E	D	C	B	A	F
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E	D	C	B	A	F	E	D	C	B	A	F
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E	D	C	B	A	F	E	D	C	B	A</	

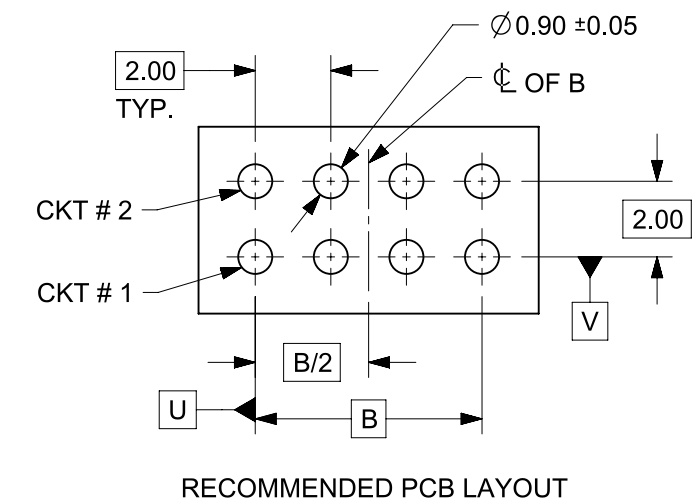
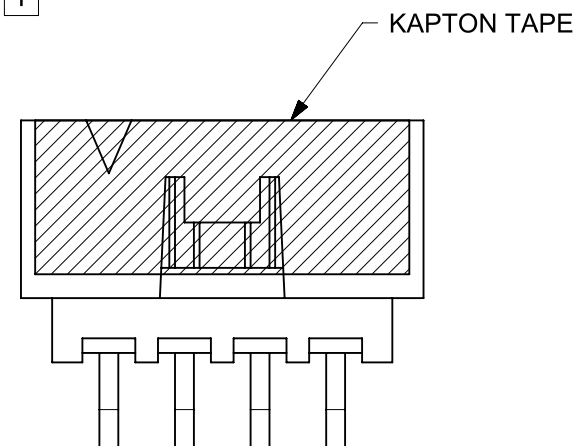
8 TO 12 CIRCUITS



DETAIL B

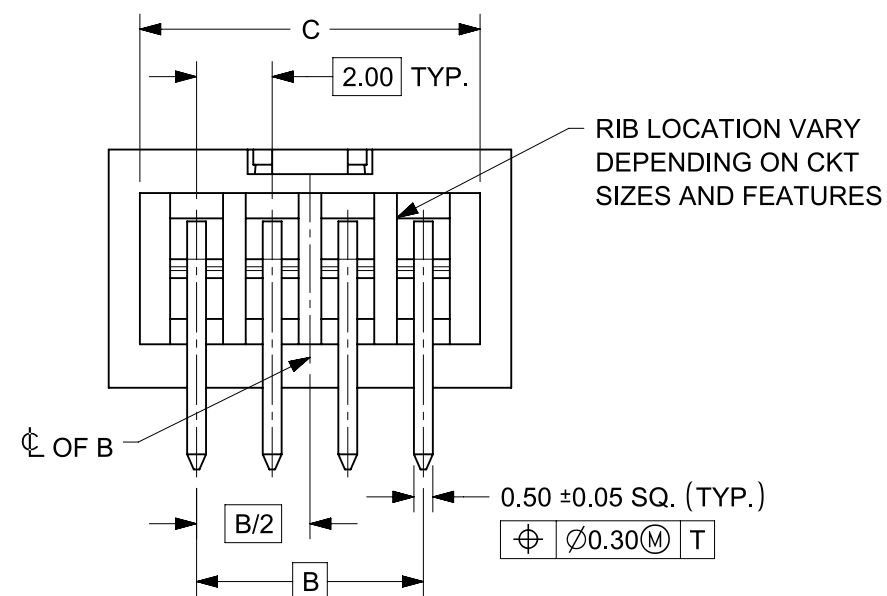


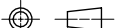
SECTION Y-Y



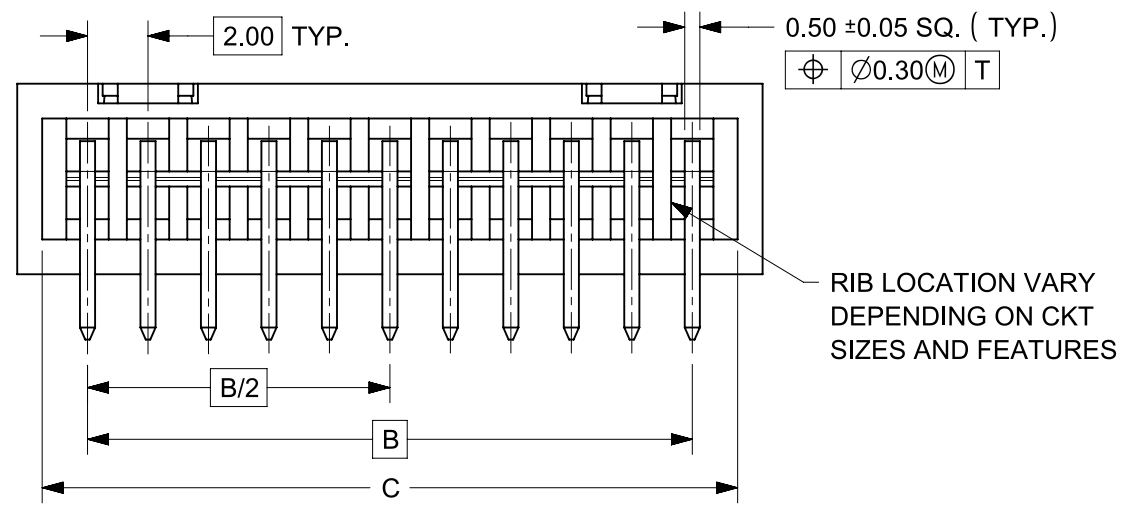
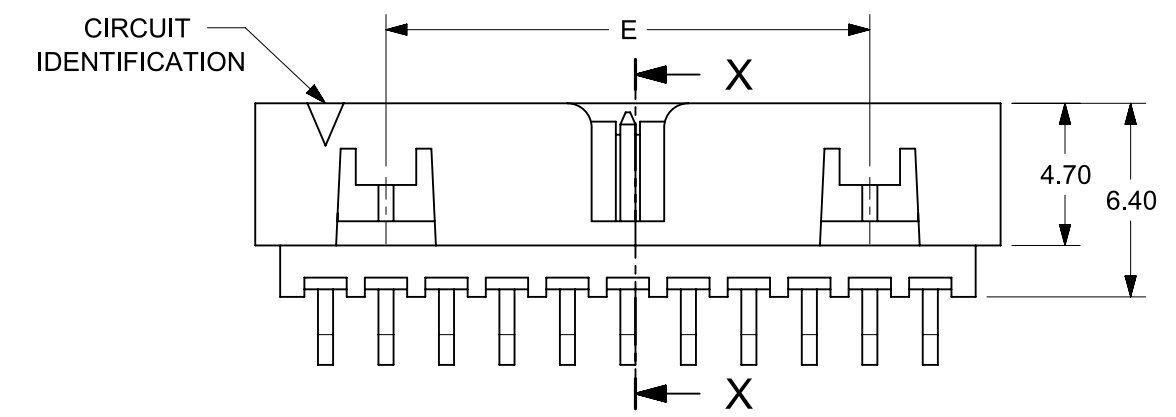
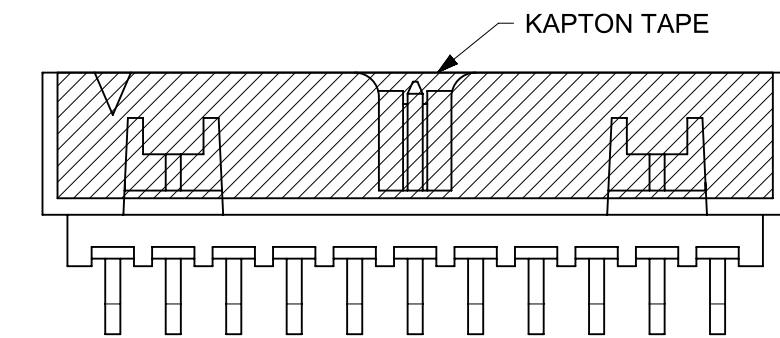
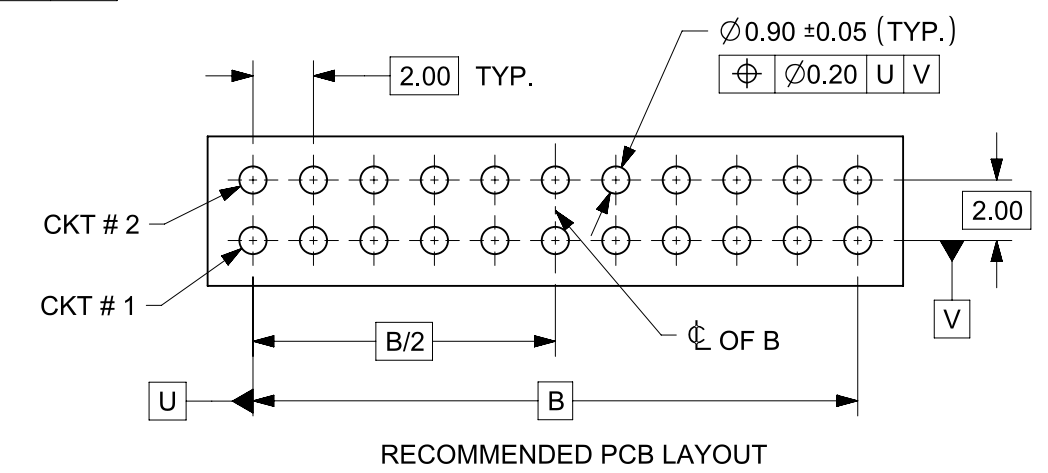
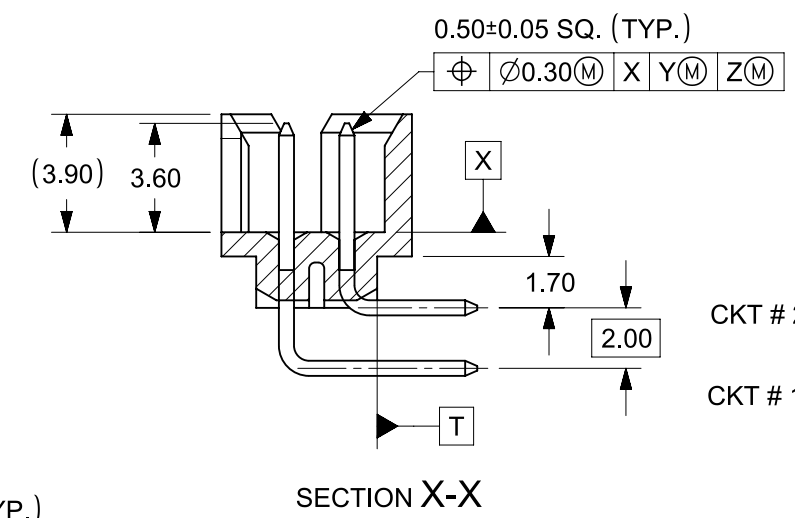
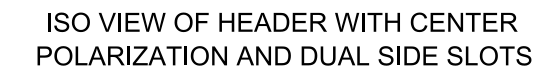
NOTES:

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.



FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC: Adding New Part Numbers			molex							
	mm		5:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)							MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE							
ANGULAR TOL ± 3°															
DIVISIONAL SYMBOLS	4 PLACES		±		STATUS: Production			PRODUCT CUSTOMER DRAWING							
	3 PLACES		±												
	2 PLACES		± 0.200		DRWN: Meghraj Boodagatti		2026-06-03		DOCUMENT NUMBER						
	1 PLACE		±		CHK'D: Meghraj Boodagatti		2026-06-10		DOC TYPE						
	0 PLACES		±		APPR: Saravanakumar Murugesan		2026-06-10		DOC PART						
									REVISION						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		87833		SEE TABLE		GENERAL MARKET		4 OF 9	

DETAIL C



- 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, 22 CIRCUITS HEADER IS SHOWN.

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC: Adding New Part Numbers					molex MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE					
	mm		5:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
	ANGULAR TOL ± 3°														
	4 PLACES ±														
	3 PLACES ±		STATUS: Production DRWN: Meghraj Boodagatti 2026-06-03 CHK'D: Meghraj Boodagatti 2026-06-10 APPR: Saravanakumar Murugesan 2026-06-10					PRODUCT CUSTOMER DRAWING							
	2 PLACES ± 0.200							DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
	1 PLACE ±							SD-87833-0001		PSD		001		A15	
	0 PLACES ±							MATERIAL NUMBER		CUSTOMER			SHEET NUMBER		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION						DRAWING		SERIES		SEE TABLE		GENERAL MARKET	

[illegible]

