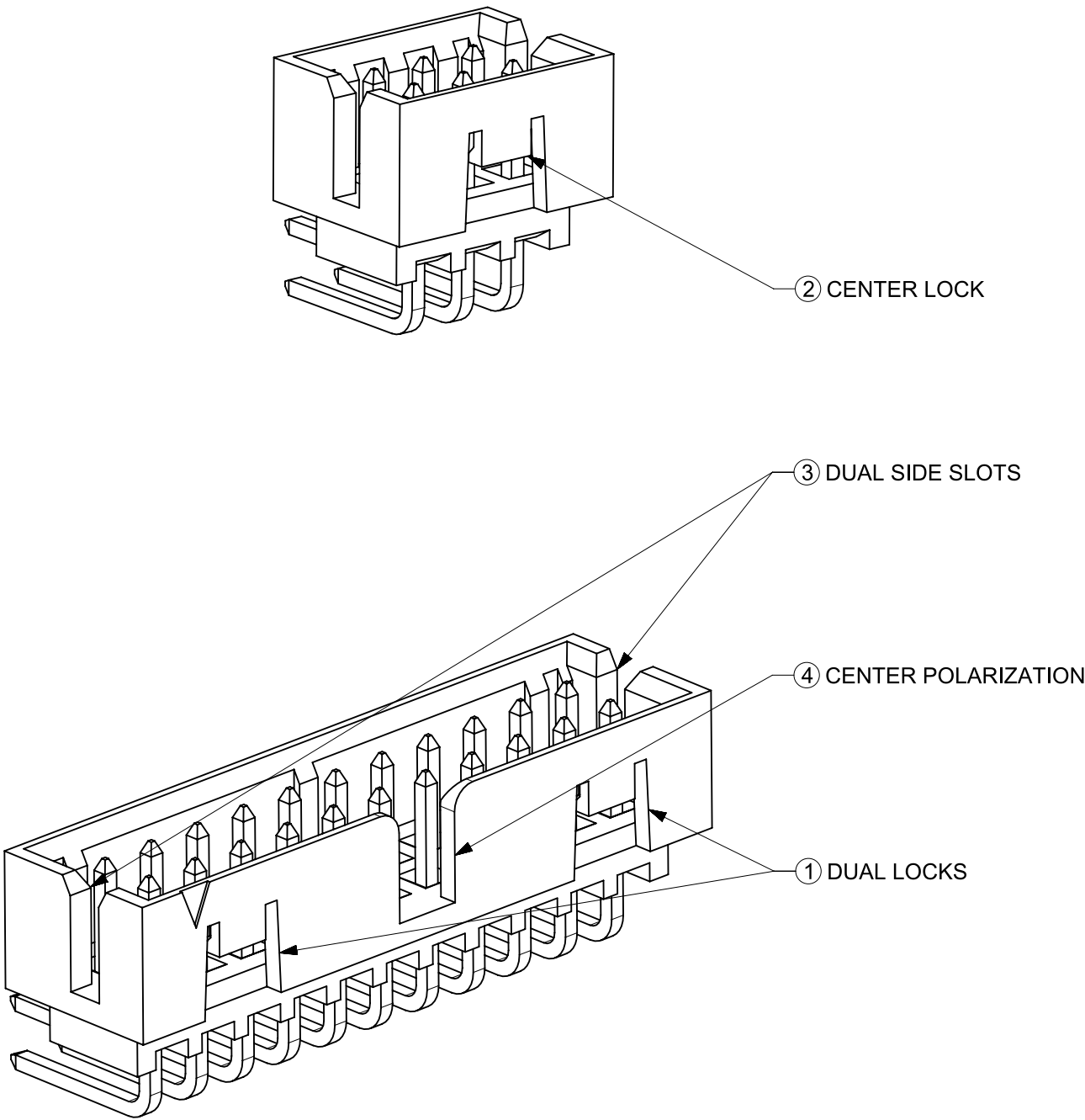


FEATURES SELECTION GUIDE



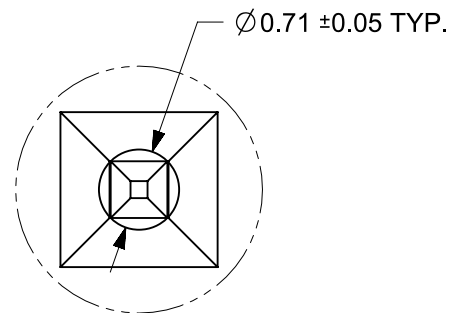
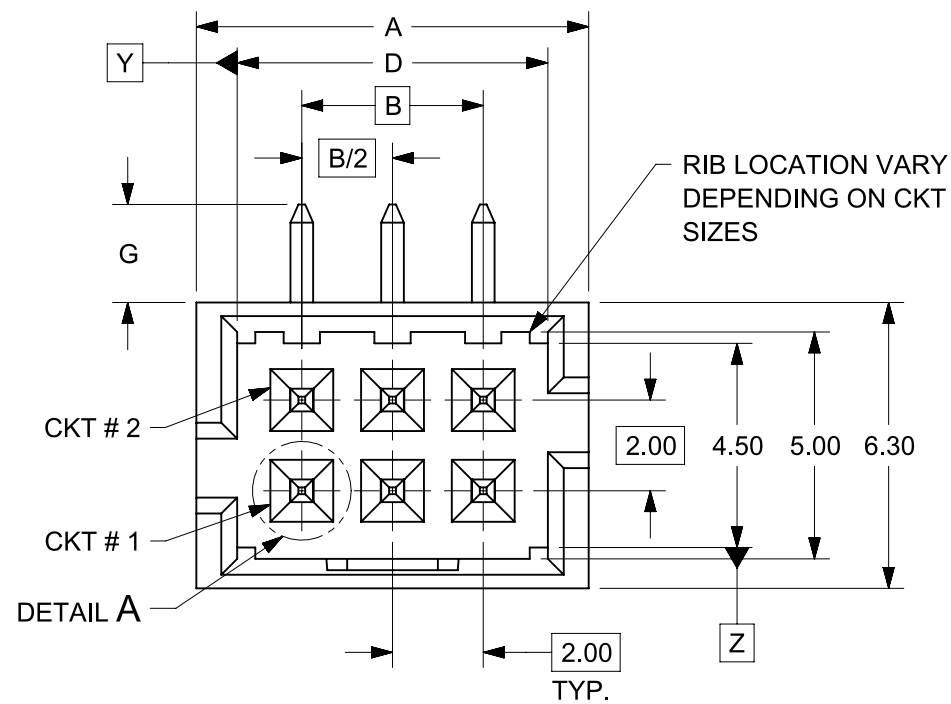
CIRCUIT SIZE	FEATURES				
	FRICTION LOCKS		③ DUAL SIDE SLOTS	④ CENTER POLARIZATION	SHEET NO
	① DUAL	② CENTER			
4 TO 6	N.A	N.A	YES	N.A	2 - 3
	N.A	YES	YES	N.A	
8 TO 12	N.A	N.A	YES	YES	4 - 5
	N.A	YES	YES	N.A	
14 TO 50	YES	N.A	YES	YES	6 - 9
	N.A	N.A	YES	YES	

PACKAGING SPECIFICATION TABLE

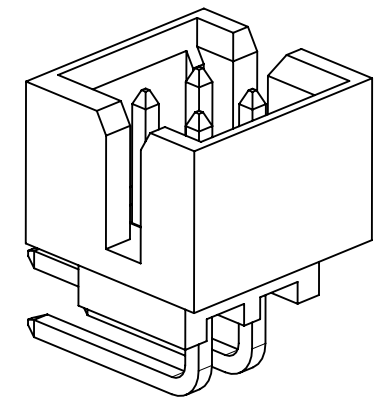
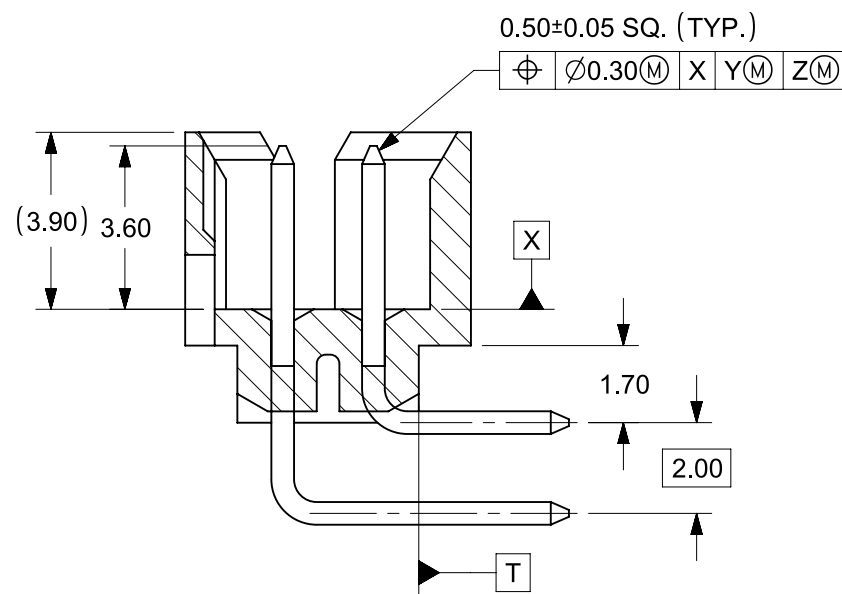
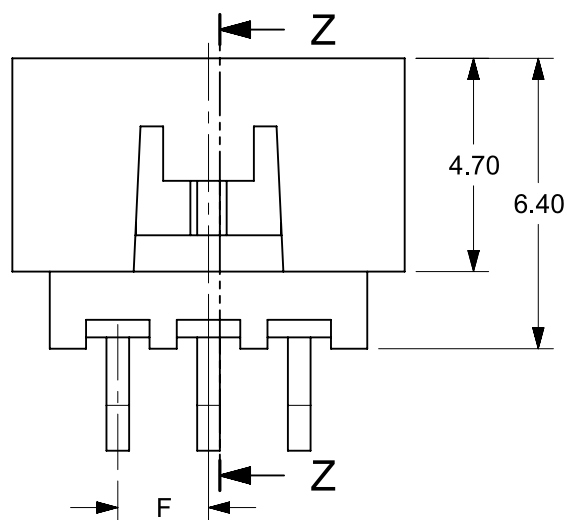
TAPE AND REEL PACKAGING	PK-87831-300
TUBE STANDARD PACKAGING	PK-87831-001
TUBE NON-STANDARD PACKAGING FOR: 87833-0861 87833-1420	PK-87831-002

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

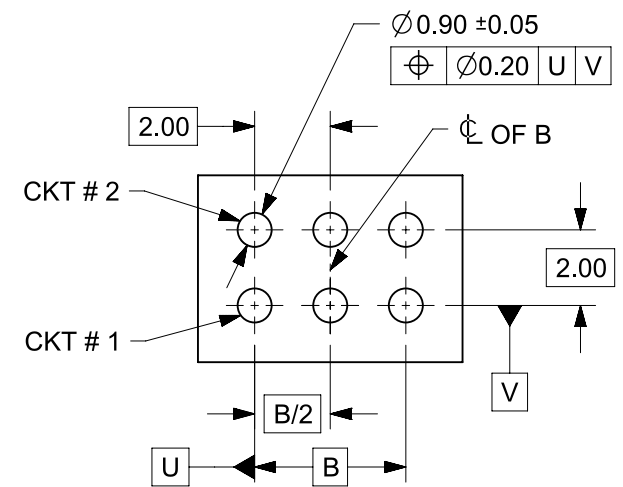
4 TO 6 CIRCUITS



DETAIL A

ISO VIEW OF HEADER
DUAL SIDE SLOTS

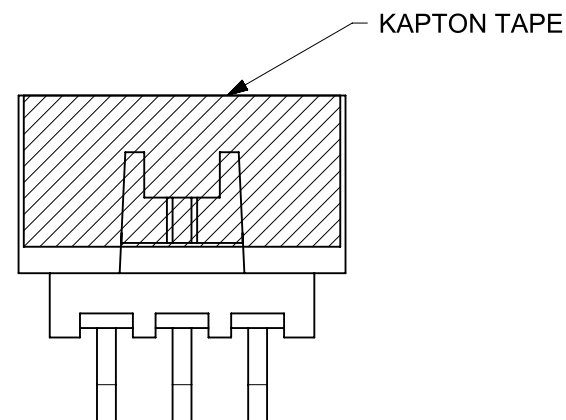
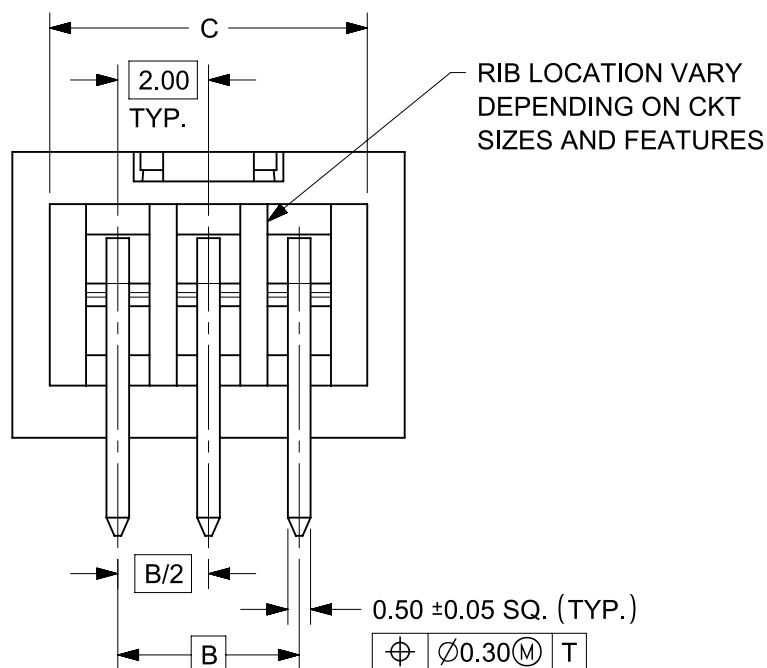
SECTION Z-Z



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		CURRENT REV DESC: Adding New Part Numbers			
	DIMENSION UNITS	SCALE				
$\nabla_A = 0$	mm	5:1				
$\nabla_C = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)					
$\nabla_P = 0$	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
				A3-SIZE	87833	SEE TABLE
					CUSTOMER	SHEET NUMBER
					GENERAL MARKET	2 OF 9

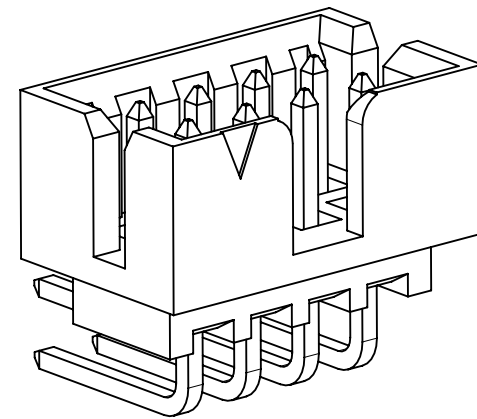
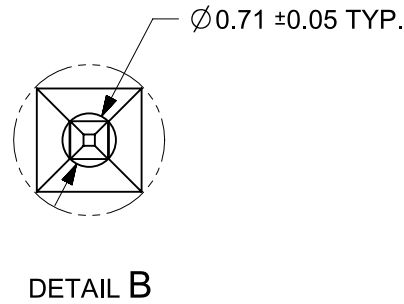
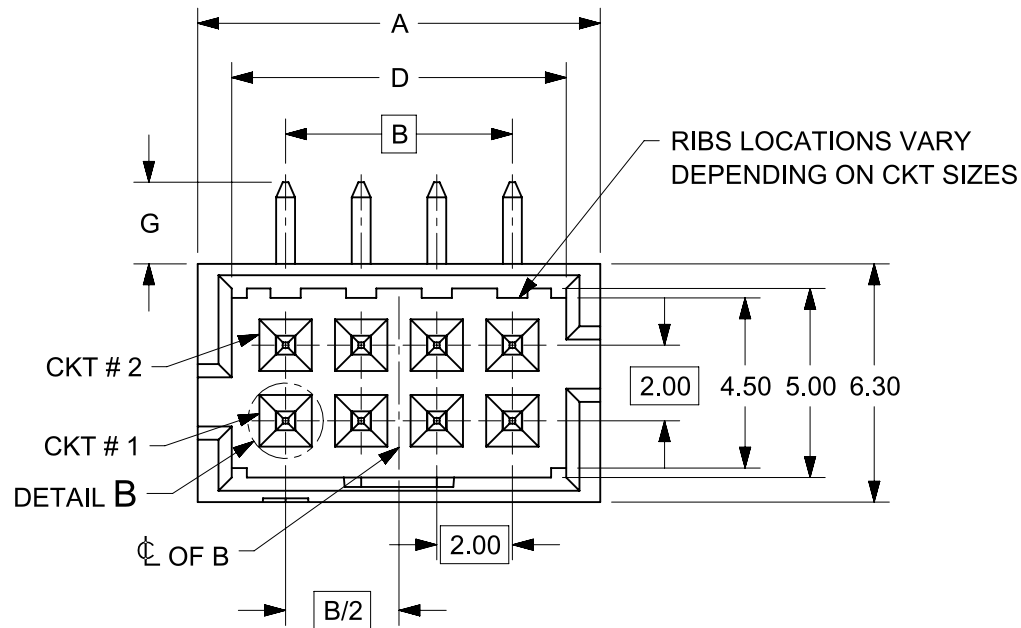
STATUS: Production			
DRWN: Meghraj Boodagatti	2026-06-03		
CHK'D: Meghraj Boodagatti	2026-06-10		
APPR: Saravanakumar Murugesan	2026-06-10		

DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
SD-87833-0001		PSD	001	A15

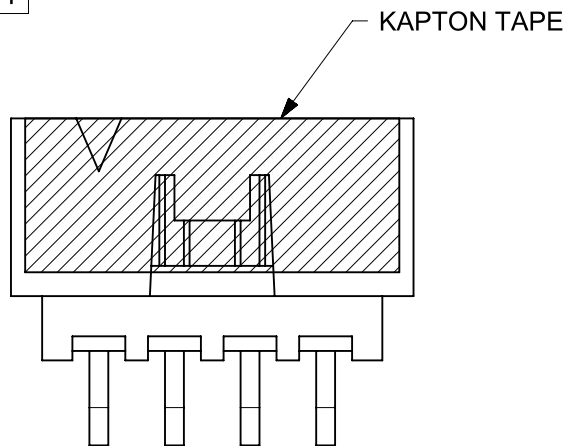
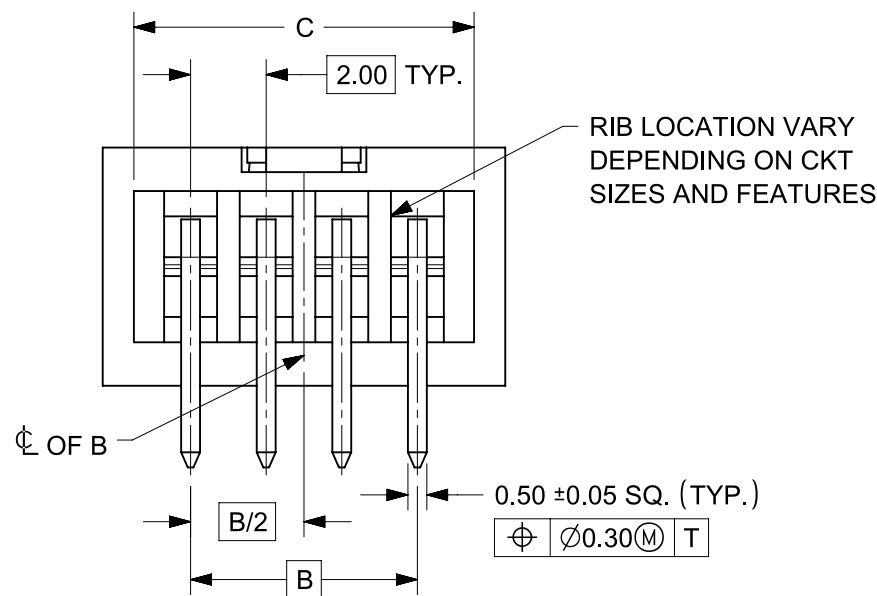
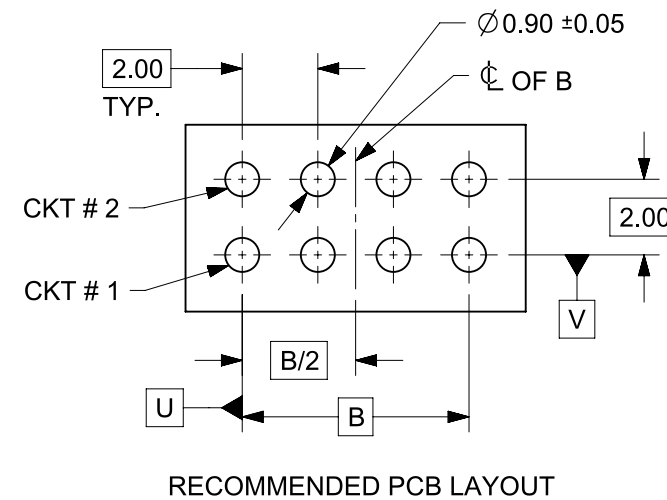
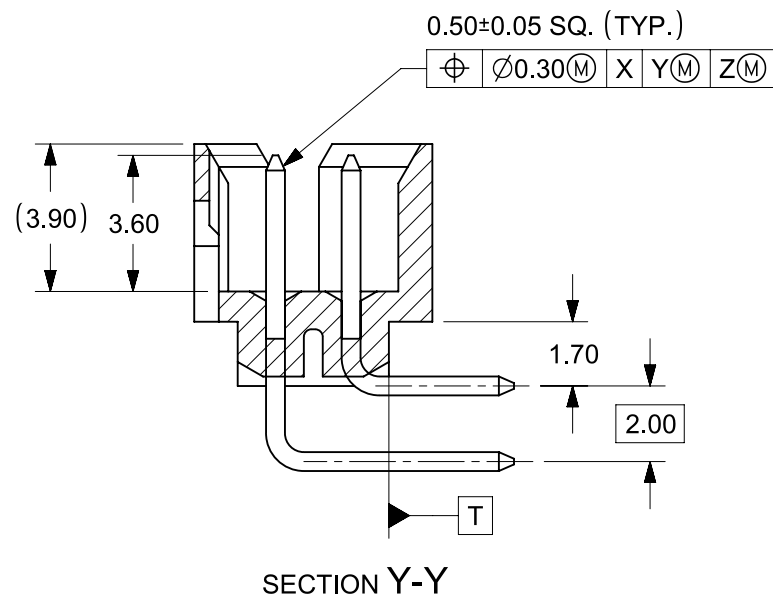
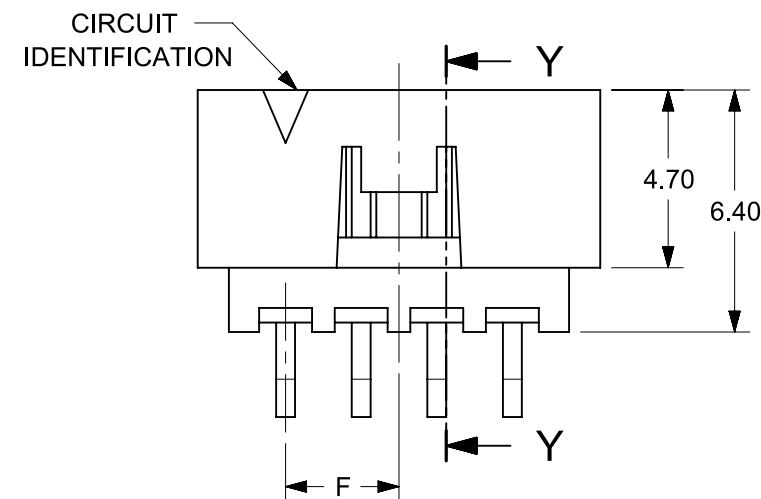
PRODUCT CUSTOMER DRAWING	
MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE	

molex	
-------	--

8 TO 12 CIRCUITS



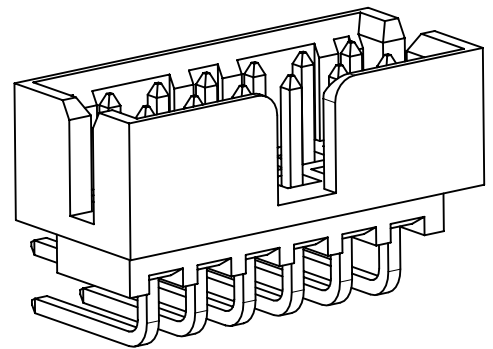
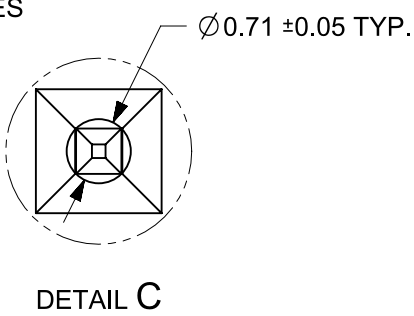
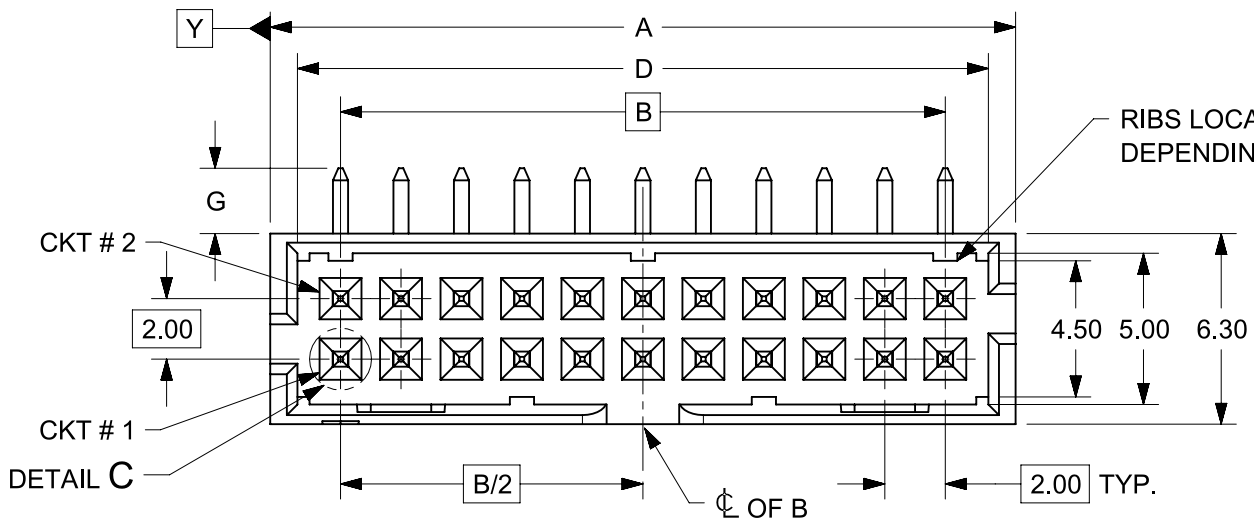
ISO VIEW OF HEADER WITH CENTER POLARIZATION AND DUAL SIDE SLOTS



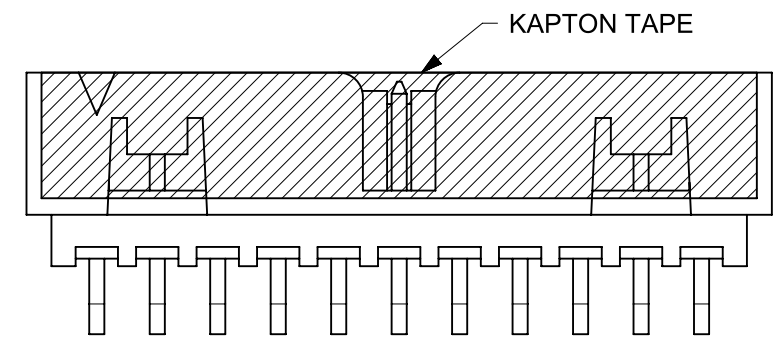
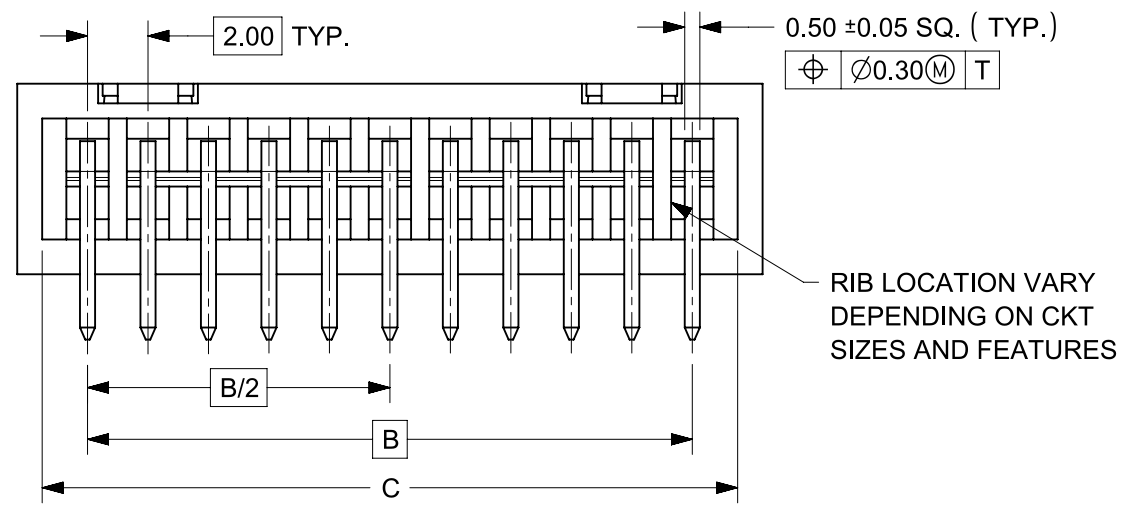
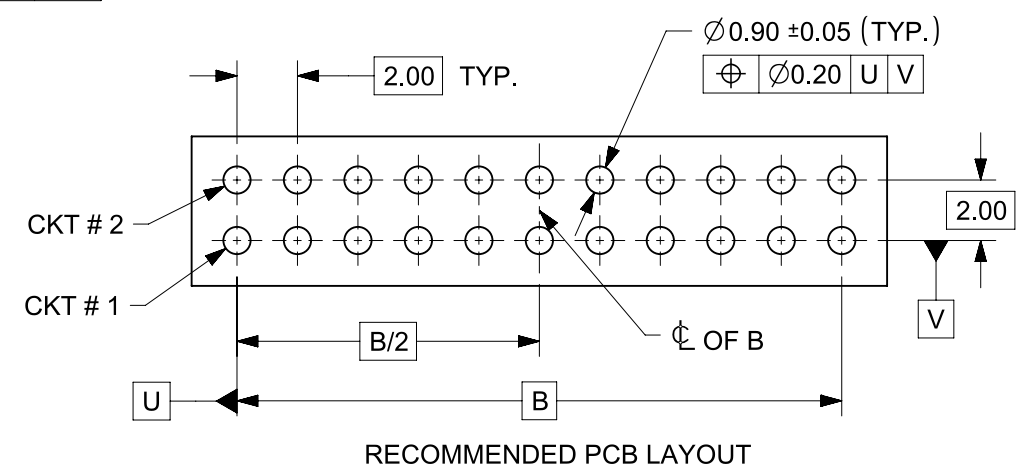
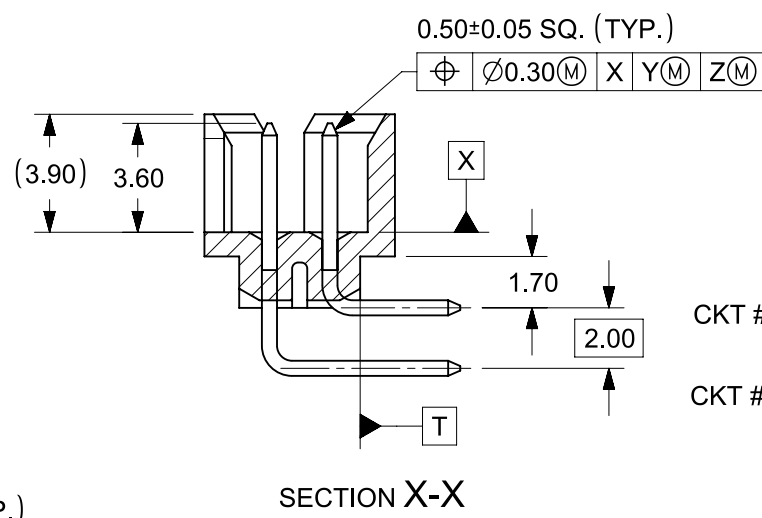
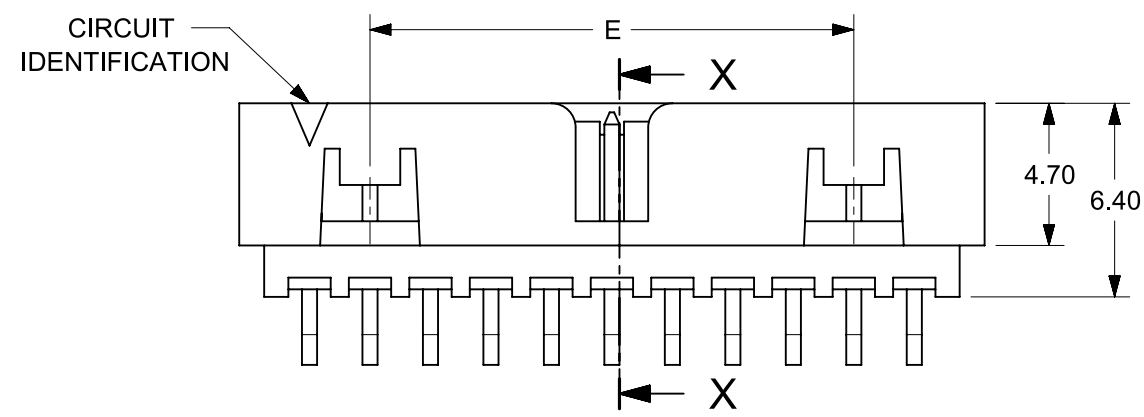
- NOTES:
1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50mm SQ. PHOSPHOR BRONZE.
 2. FINISHES: REFER TO PLATING OPTIONS.
 3. PRODUCT SPECIFICATION: PS-87831-027
 4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
 5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 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		CURRENT REV DESC: Adding New Part Numbers				molex			
	DIMENSION UNITS	SCALE								
$F_A = 0$	mm	5:1	GENERAL TOLERANCES (UNLESS SPECIFIED)				MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE			
$F_C = 0$										
$F_P = 0$										
DIVISIONAL SYMBOLS	4 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			
	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	4 OF 9			

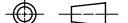
14 TO 50 CIRCUITS



ISO VIEW OF HEADER WITH CENTER POLARIZATION AND DUAL SIDE SLOTS



- 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.
C. MOLEX 2mm MILLIGRID DUAL ROW RECEPTACLE: 79107 (GOLD PLATED), 78787 (TIN PLATED)
 - 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									
F_A = 0 F_C = 0 F_P = 0 DIVISIONAL SYMBOLS	DIMENSION UNITS	SCALE	CURRENT REV DESC: Adding New Part Numbers			molex MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE PRODUCT CUSTOMER DRAWING				
	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	DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
	2 PLACES	± 0.200		SD-87833-0001		PSD	001	A15		
	1 PLACE	±		SEE TABLE		GENERAL MARKET		SHEET NUMBER 6 OF 9		
	0 PLACES	±								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER					
		A3-SIZE	87833							

10	9	8	7	6	5	4	3	2	1
----	---	---	---	---	---	---	---	---	---

