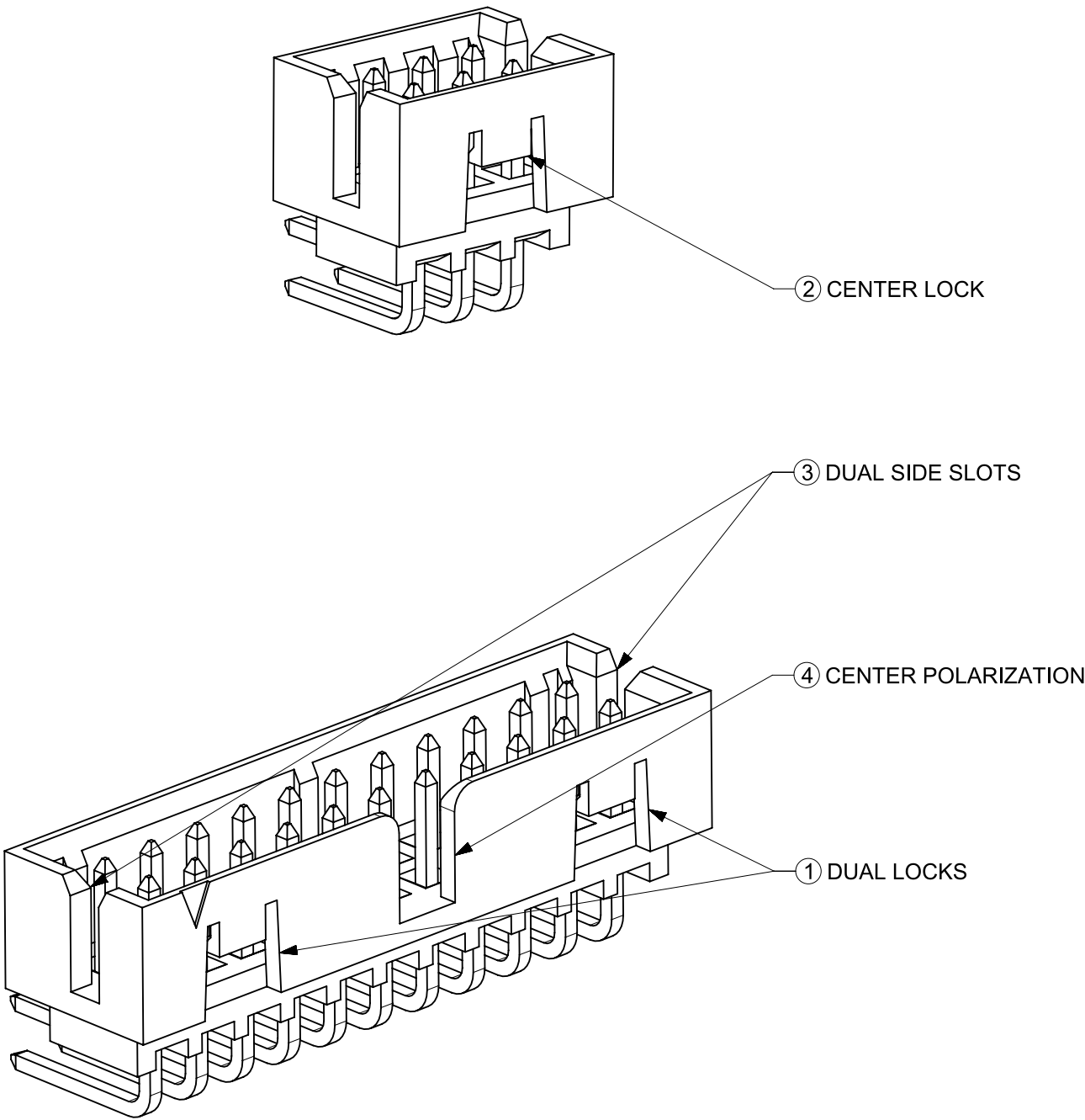


FEATURES SELECTION GUIDE



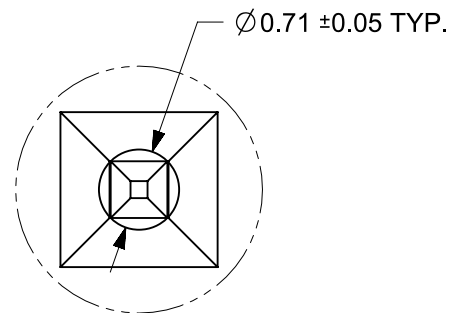
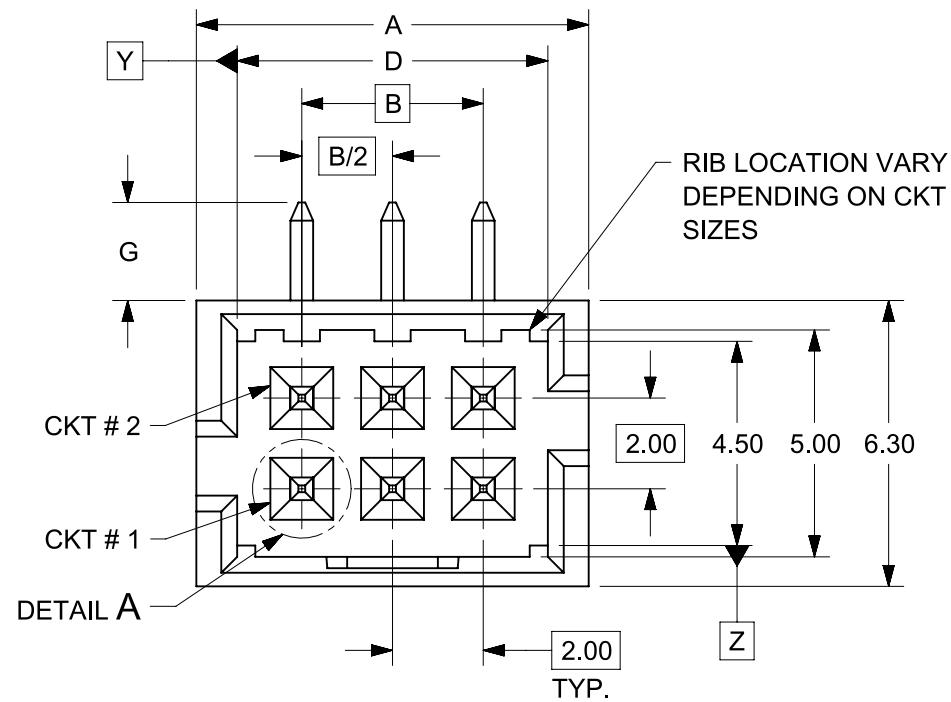
CIRCUIT SIZE	FEATURES				
	FRICTION LOCKS		③ DUAL SIDE SLOTS	④ CENTER POLARIZATION	SHEET NO
	① DUAL	② CENTER			
4 TO 6	N.A	N.A	YES	N.A	2 - 3
	N.A	YES	YES	N.A	
8 TO 12	N.A	N.A	YES	YES	4 - 5
	N.A	YES	YES	N.A	
14 TO 50	YES	N.A	YES	YES	6 - 9
	N.A	N.A	YES	YES	

PACKAGING SPECIFICATION TABLE

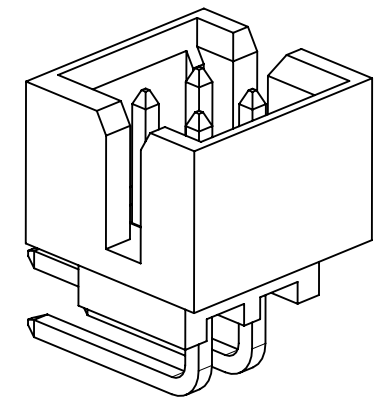
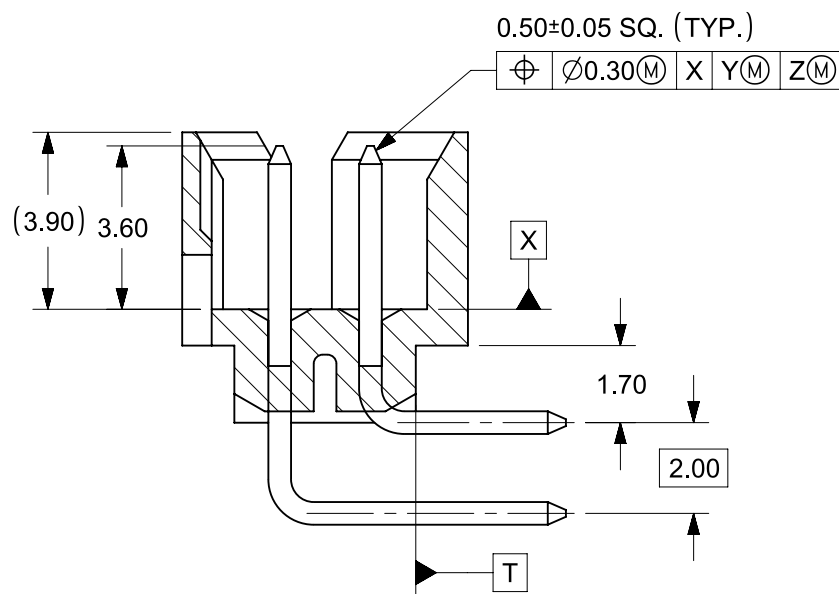
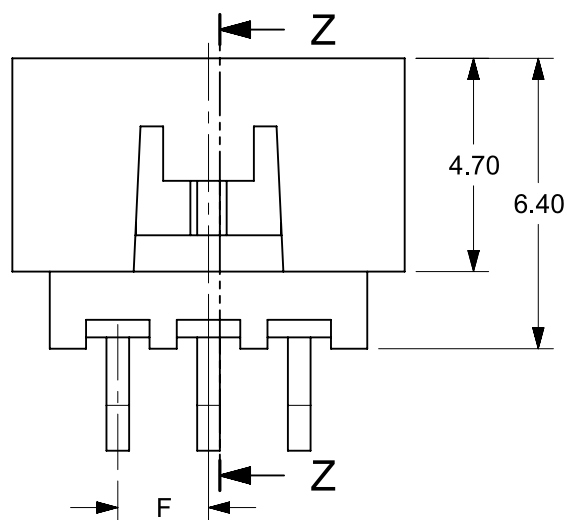
TAPE AND REEL PACKAGING	PK-87831-300
TUBE STANDARD PACKAGING	PK-87831-001
TUBE NON-STANDARD PACKAGING FOR: 87833-0861 87833-1420	PK-87831-002

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

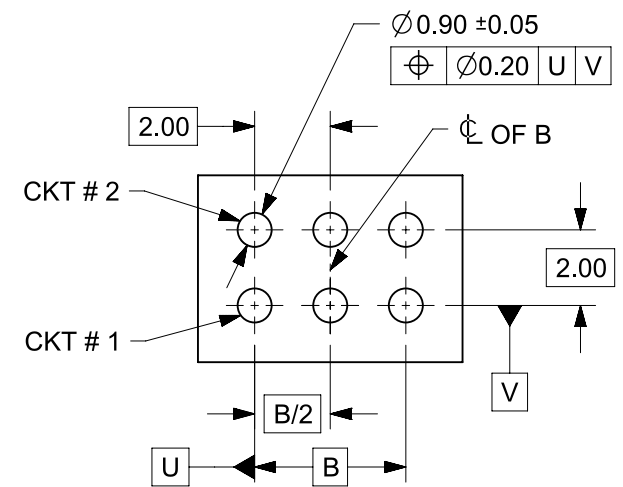
4 TO 6 CIRCUITS



DETAIL A

ISO VIEW OF HEADER
DUAL SIDE SLOTS

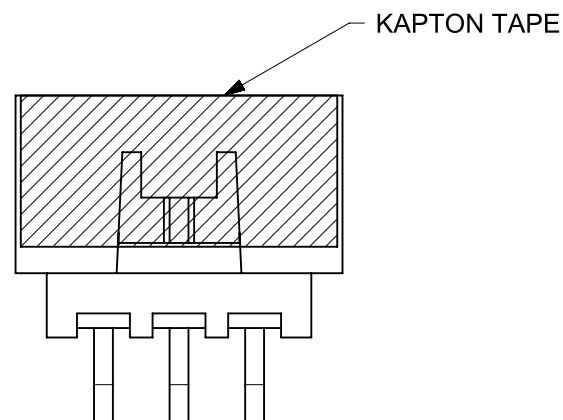
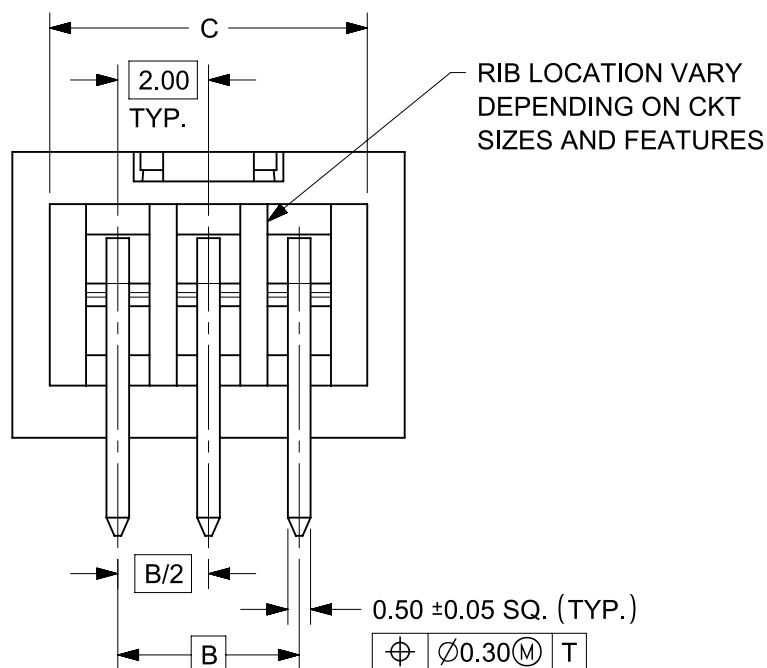
SECTION Z-Z



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				
$F_A = 0$	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
				A3-SIZE	87833	SEE TABLE
					CUSTOMER	SHEET NUMBER
					GENERAL MARKET	2 OF 9

STATUS: Production

DRWN: Meghraj Boodagatti

CHK'D: Meghraj Boodagatti

APPR: Saravanakumar Murugesan

2026-06-03

2026-06-10

2026-06-10

DOCUMENT NUMBER

SD-87833-0001

DOC TYPE

PSD

DOC PART

001

REVISION

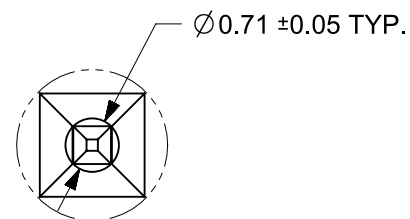
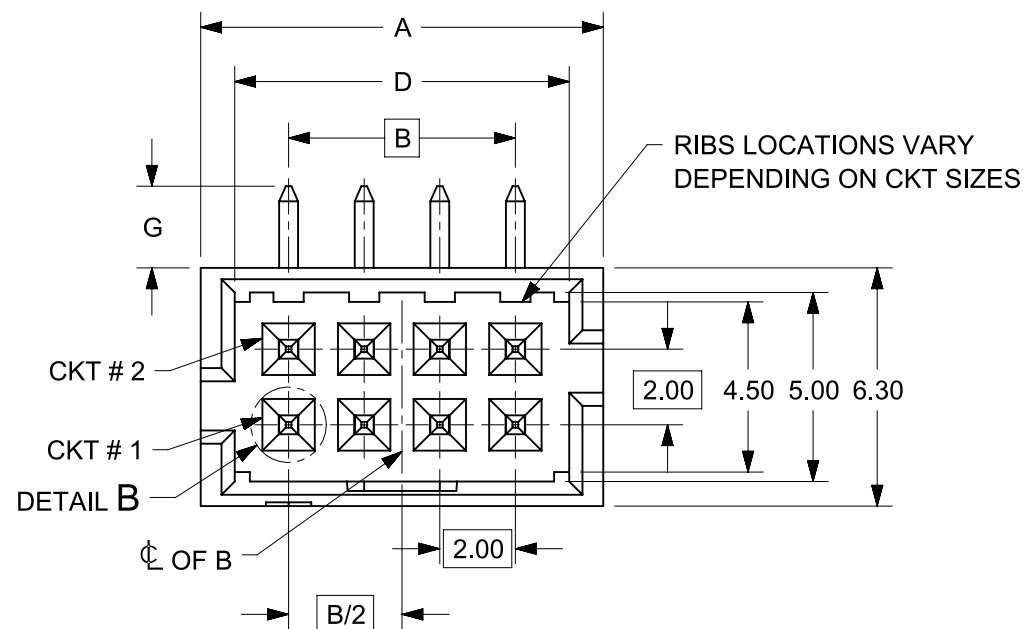
A15

PRODUCT CUSTOMER DRAWING

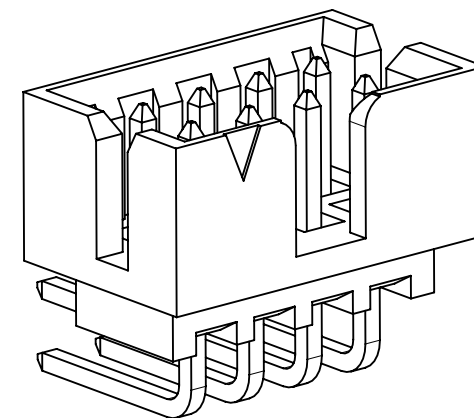
SEE TABLE

GENERAL MARKET

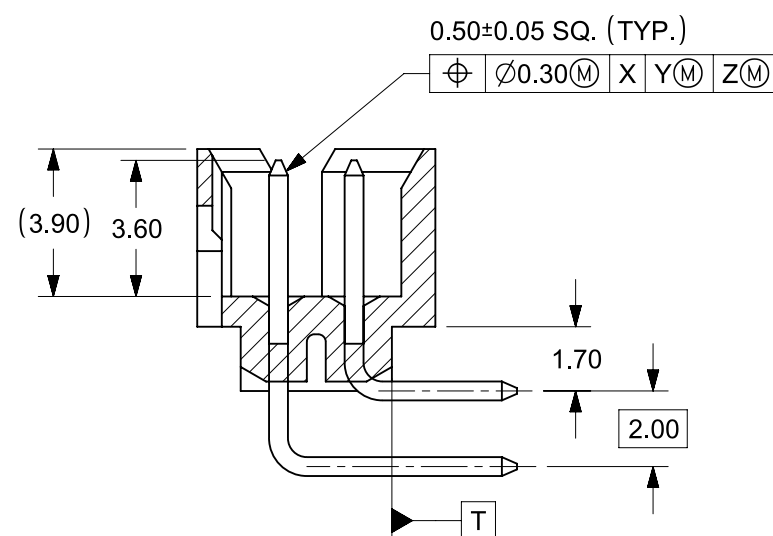
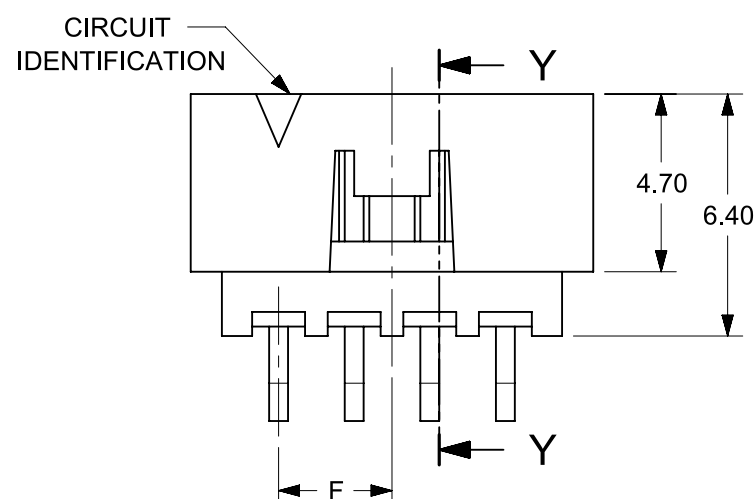
2 OF 9



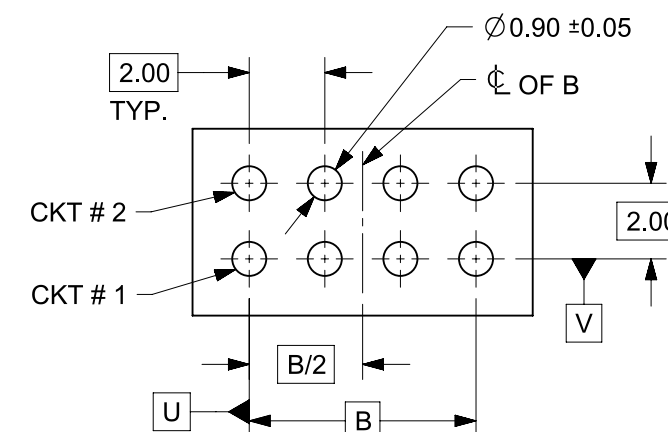
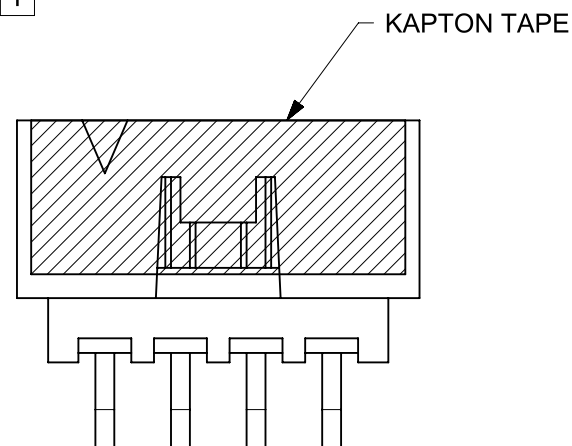
DETAIL B



ISO VIEW OF HEADER WITH CENTER
POLARIZATION AND DUAL SIDE SLOTS



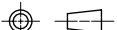
SECTION Y-Y



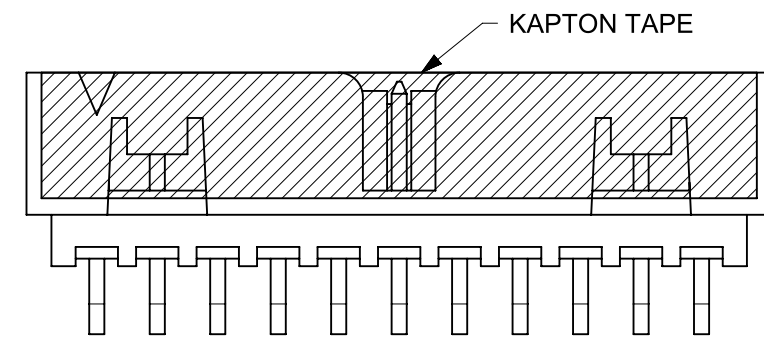
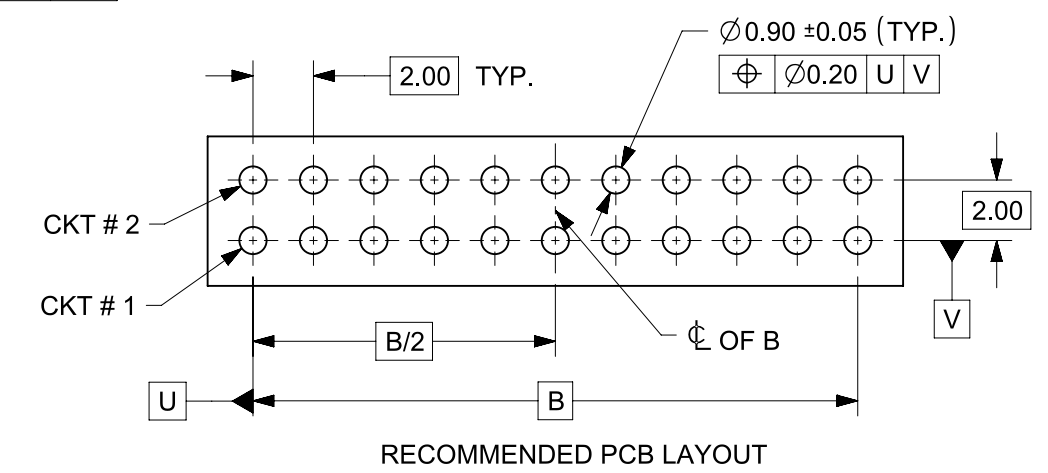
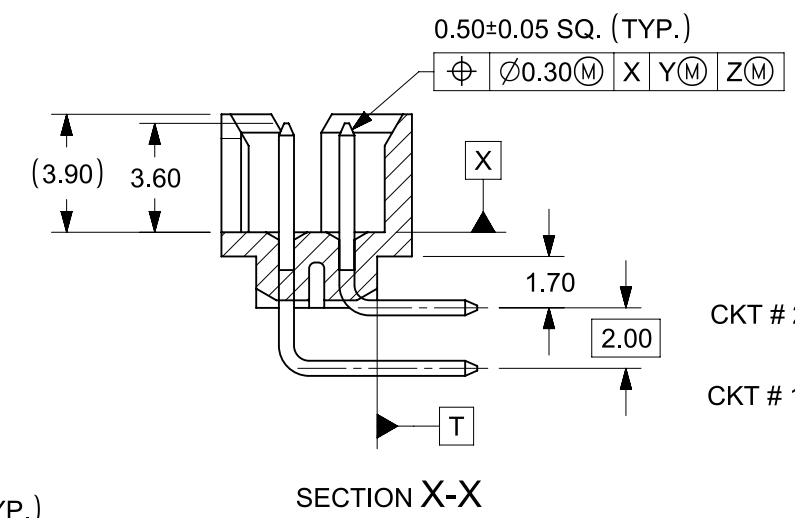
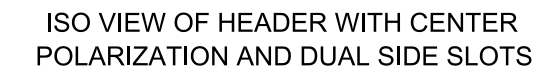
RECOMMENDED PCB LAYOUT

NOTES:

- 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 MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE			
F_A = 0	mm	5:1	STATUS: Production DRWN: Meghraj Boodagatti2026-06-03 CHK'D: Meghraj Boodagatti2026-06-10 APPR: Saravanakumar Murugesan2026-06-10							
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	±	THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					A3-SIZE	87833	SEE TABLE	GENERAL MARKET	4 OF 9	
			DOCUMENT NUMBER				DOC TYPE	DOC PART	REVISION	
			SD-87833-0001				PSD	001	A15	

DETAIL C



- | | | | | | | | | | | | | |
|---|---|------------------------|---------|---------|---|-----------------|----------|---|----------|--------------|--|--|
| <div>FUNCTIONAL SYMBOLS</div> <div><div><div><div><div></div></div><div><div></div></div></div><div><div></div></div></div><div><div><div><div><div></div></div><div><div></div></div></div><div><div></div></div></div><div><div><div><div><div></div></div><div><div></div></div></div><div><div></div></div></div></div><div><div>DIVISIONAL SYMBOLS</div></div></div></div> | 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 | | | <div>molex</div> <div>MILLIGRID, 2MM PITCH</div> <div>SHROUDED HEADER R/A, THROUGH HOLE</div> | | | | |
| | mm | | 5:1 | | | | | | | | | |
| | GENERAL TOLERANCES (UNLESS SPECIFIED) | | | | | | | | | | | |
| | ANGULAR TOL | | ± 3° | | | | | | | | | |
| | 4 PLACES | | ± | | | | | | | | | |
| | 3 PLACES | | ± | | PRODUCT CUSTOMER DRAWING | | | | | | | |
| | 2 PLACES | | ± 0.200 | | | | | | | | | |
| | 1 PLACE | | ± | | DOCUMENT NUMBER | | DOC TYPE | | DOC PART | REVISION | | |
| | 0 PLACES | | ± | | SD-87833-0001 | | PSD | | 001 | A15 | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIRD ANGLE PROJECTION | | DRAWING | SERIES | MATERIAL NUMBER | | CUSTOMER | | SHEET NUMBER | | |
| | | | | A3-SIZE | 87833 | SEE TABLE | | GENERAL MARKET | | 6 OF 9 | | |

10	9	8	7	6	5	4	3	2	1
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