

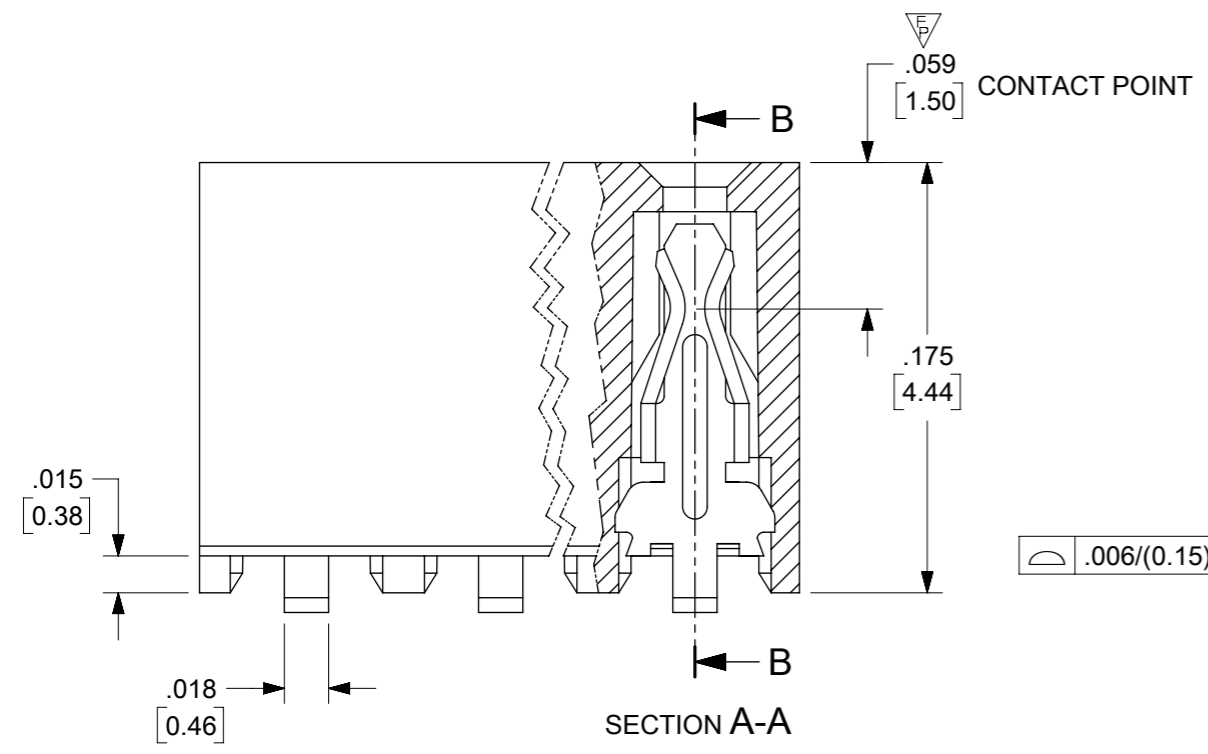
RECOMMENDED PCB PAD LAYOUT

NOTES:

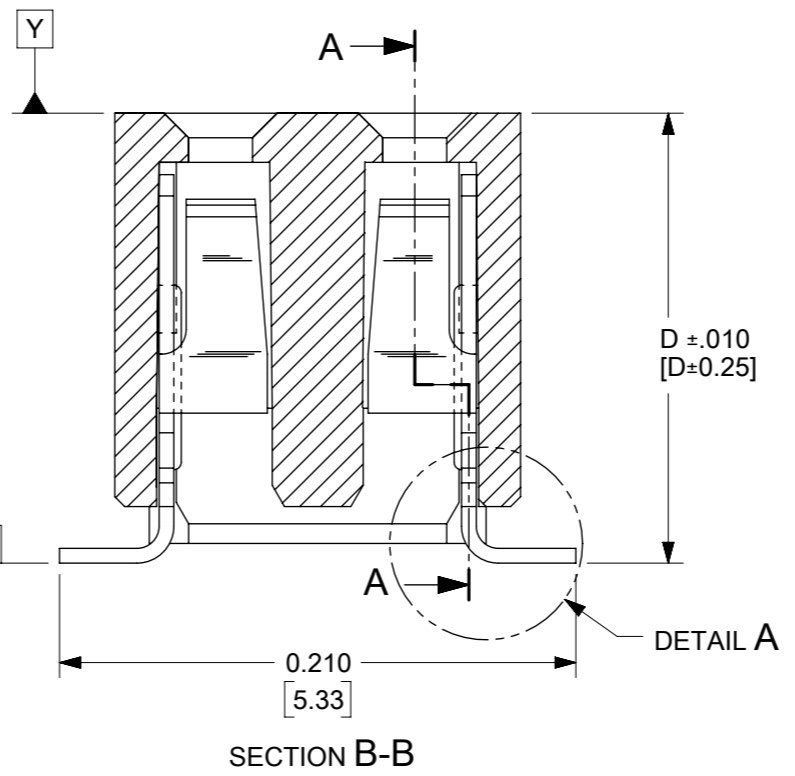
- HOUSING MATERIAL:
LCP, GLASS FILLED, UL 94V-0
COLOUR BLACK.
- TERMINAL MATERIAL:
PHOSPHOR BRONZE
- SEE APPROPRIATE SHEET FOR CIRCUIT SIZE,
PART NUMBERS AND OVERALL DIMENSIONS.
- 6 CKT WITHOUT CAP ASSY IS SHOWN FOR ILLUSTRATION ONLY.
- REFER TO PRODUCT SPEC PS-79107.
- TAPE PACKAGING PER PK-70873-0259
- CKT LOCATIONS ARE NUMBERED FROM LEFT TO
RIGHT WHEN VIEWING ASSY FROM TOP WITH
THE GATE RECESS ON THE RIGHT AS SHOWN.
- MEASUREMENT IS TAKEN BETWEEN THE TANGENT OF
THE TOE TO TIP OF THE TERMINAL.

PLATING OPTION:

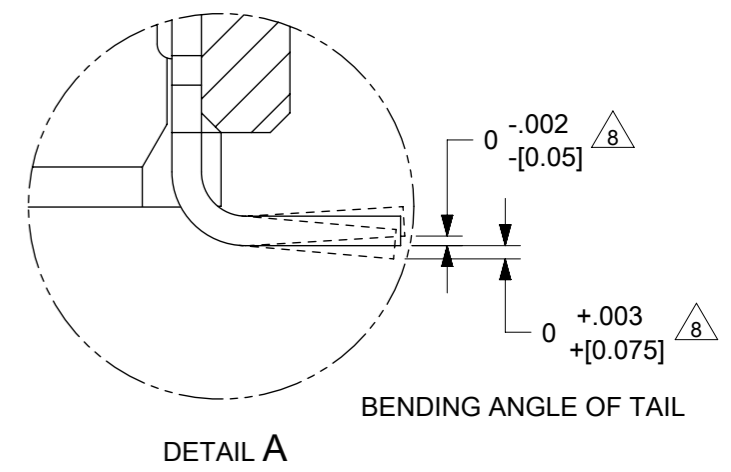
- 30µ" (0.75µm) MIN. GOLD PLATE IN SELECTED AREA AND
75µ" (1.88µm) MIN. TIN PLATE IN SELECTED AREA OVER
50µ" (1.25µm) MIN. NICKEL OVERALL.
- 15µ" (0.38µm) MIN. GOLD PLATE IN SELECTED AREA AND
75µ" (1.88µm) MIN. TIN PLATE IN SELECTED AREA OVER
50µ" (1.25µm) MIN. NICKEL OVERALL.
- 5µ" (0.13µm) MIN. GOLD PLATE IN SELECTED AREA AND
75µ" (1.88µm) MIN. TIN PLATE IN SELECTED AREA OVER
50µ" (1.25µm) MIN. NICKEL OVERALL.



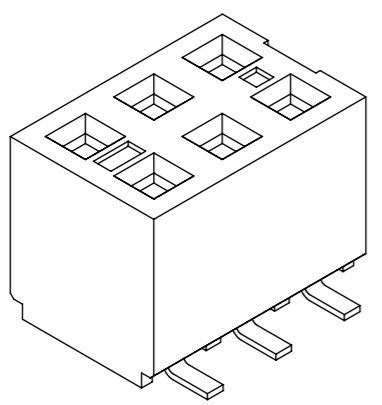
SECTION A-A



SECTION B-B

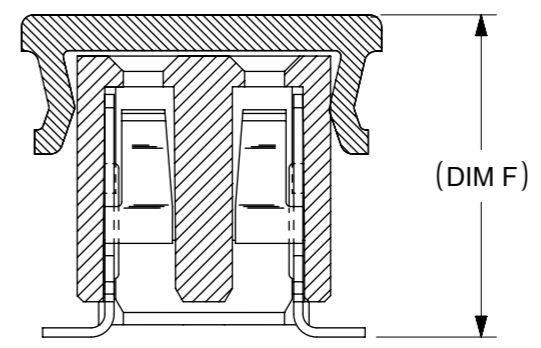
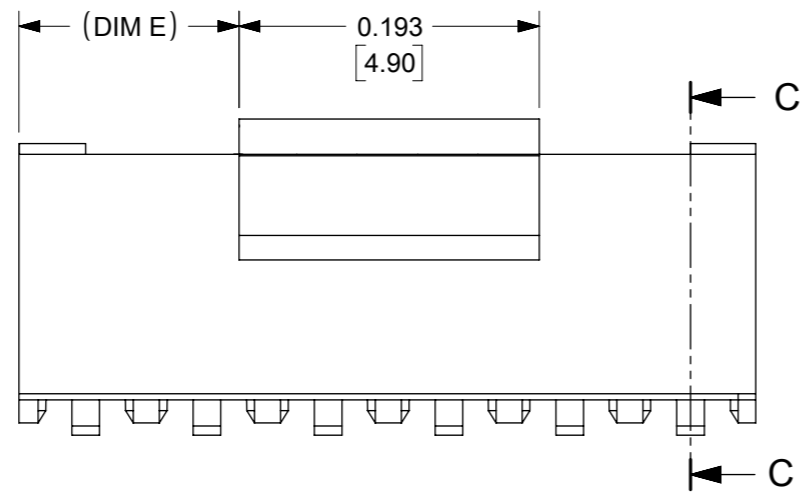
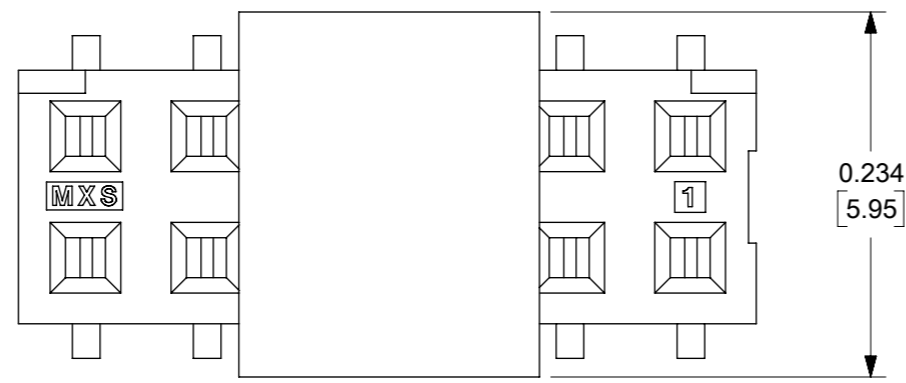


DETAIL A



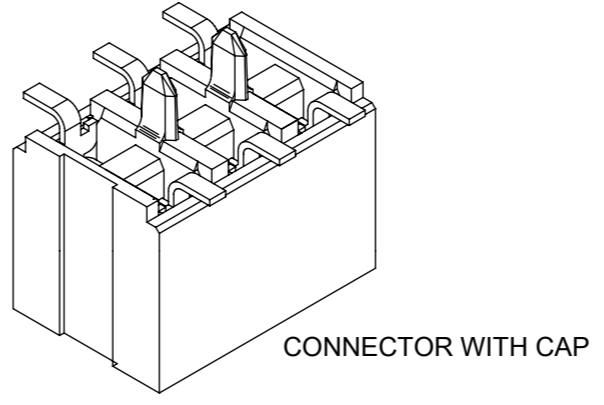
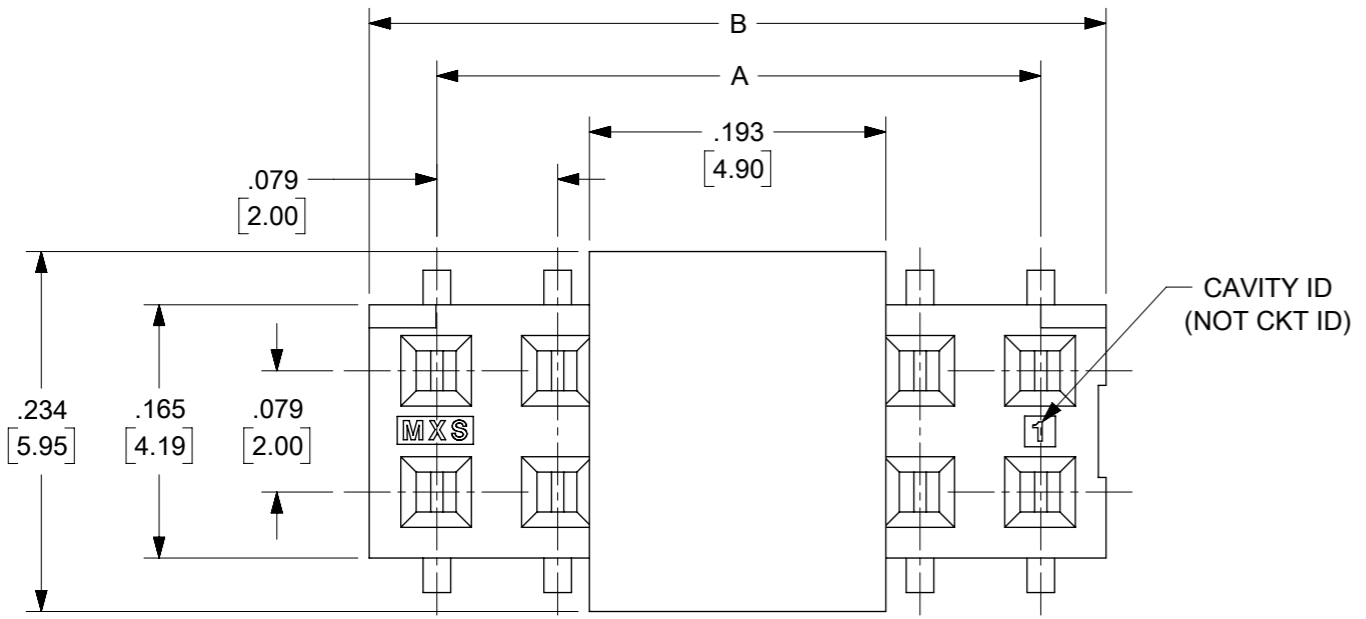
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		
	mm	NTS			
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 716564		2MM DUAL ROW VERTICAL RECEPTACLE, SMT
▽ = 0			DRWN: DANUSA 2022/08/02		
▽ = 0			CHK'D: DANUSA 2022/08/03		PRODUCT CUSTOMER DRAWING
▽ = 0			APPR: MRAMAKRISHNA 2022/08/03		
▽ = 0			INITIAL REVISION:		DOCUMENT NUMBER SD-79109-006
▽ = 0			DRWN: DRWN BY XXXX/XX/XX		
▽ = 0			APPR: APPR BY XXXX/XX/XX		DOC TYPE DOC PART REVISION PSD 001 A11
▽ = 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
▽ = 0			THIRD ANGLE PROJECTION		MATERIAL NUMBER 79109
▽ = 0			DRAWING SERIES A3-SIZE 79109		
▽ = 0					CUSTOMER GENERAL MARKET
▽ = 0					
▽ = 0					SHEET NUMBER 1 OF 5

CKT. SIZE	DIM A		DIM B		DIM C		DIM D		DIM E		DIM F		ITEM No.	PLATING OPTION SEE SHEET 1		
	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM				
4	.079	(2.00)	.165	(4.19)	-	-	.183	(4.65)	-	-	.207	(5.25)	79109-9104	1		
														79109-9504	2	
8	.236	(6.00)	.322	(8.19)	-	-	.183	(4.65)	.065	(1.65)					79109-9208	2
10	.315	(8.00)	.401	(10.19)	-	-	.183	(4.65)	.104	(2.65)					79109-9210	2
12	.394	(10.00)	.480	(12.19)	-	-	.183	(4.65)	.144	(3.65)					79109-9212	2
14	.472	(12.00)	.559	(14.19)	-	-	.183	(4.65)	.183	(4.65)			79109-9214	2		

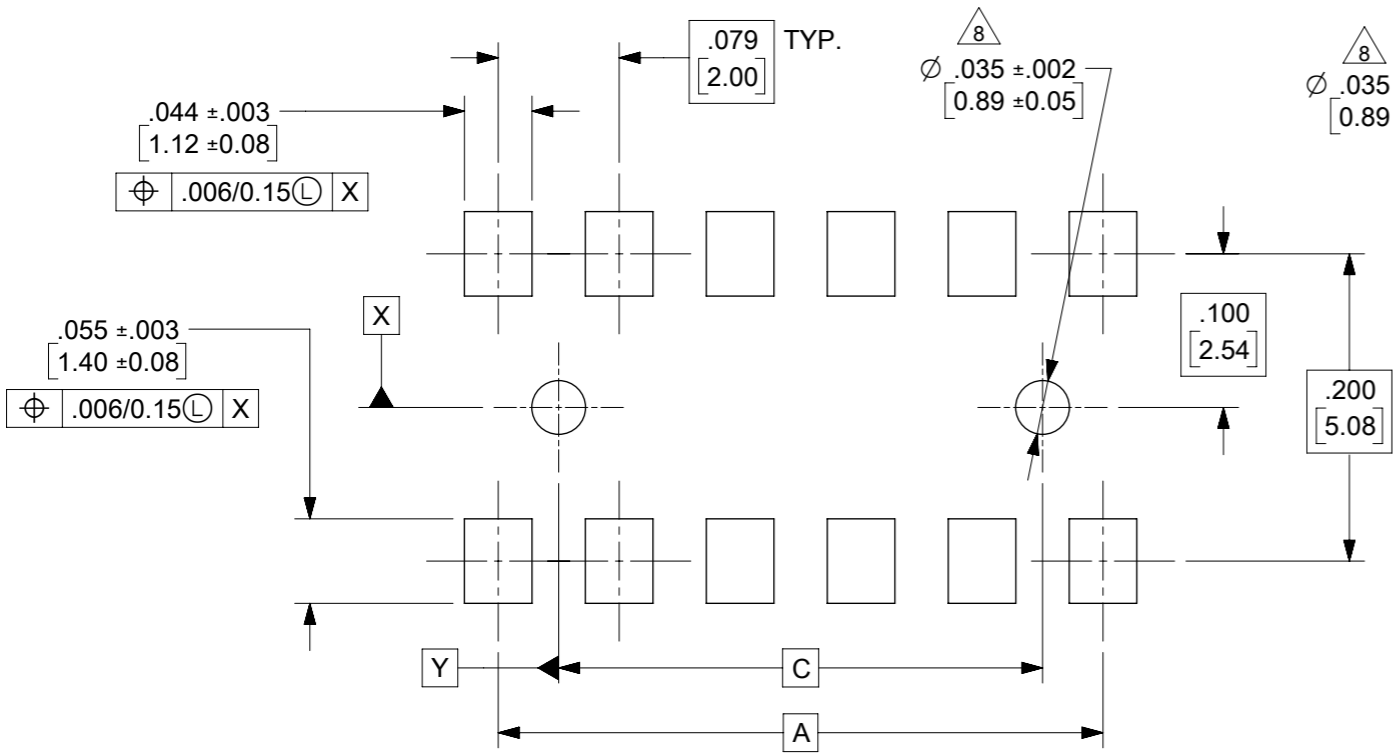
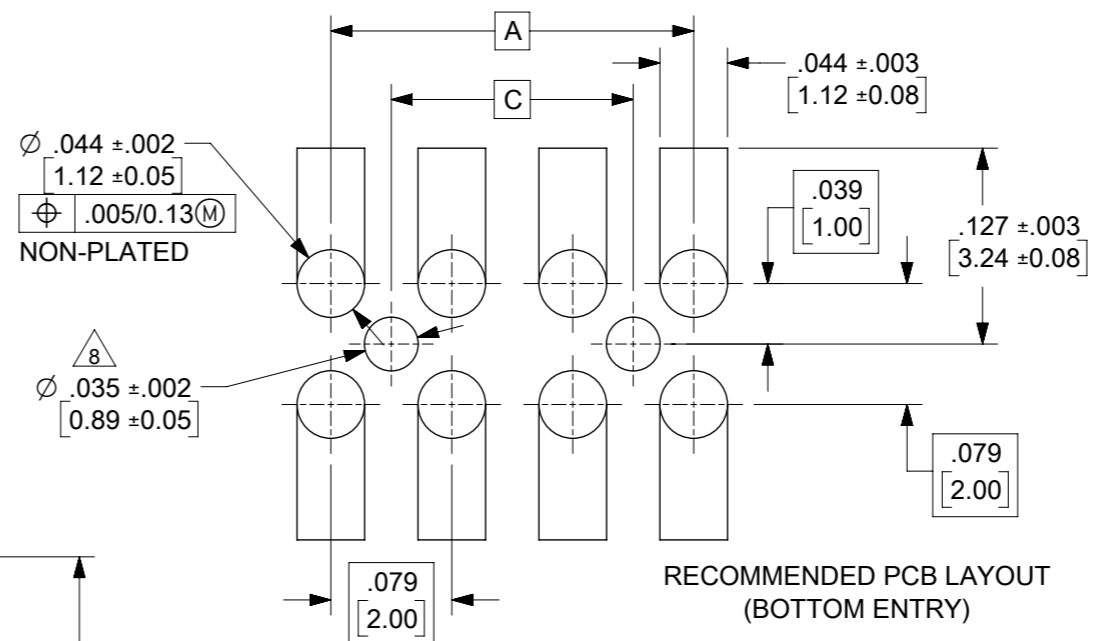
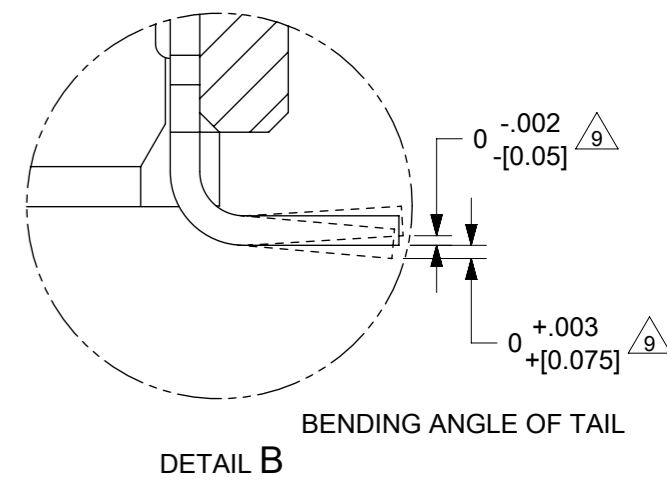
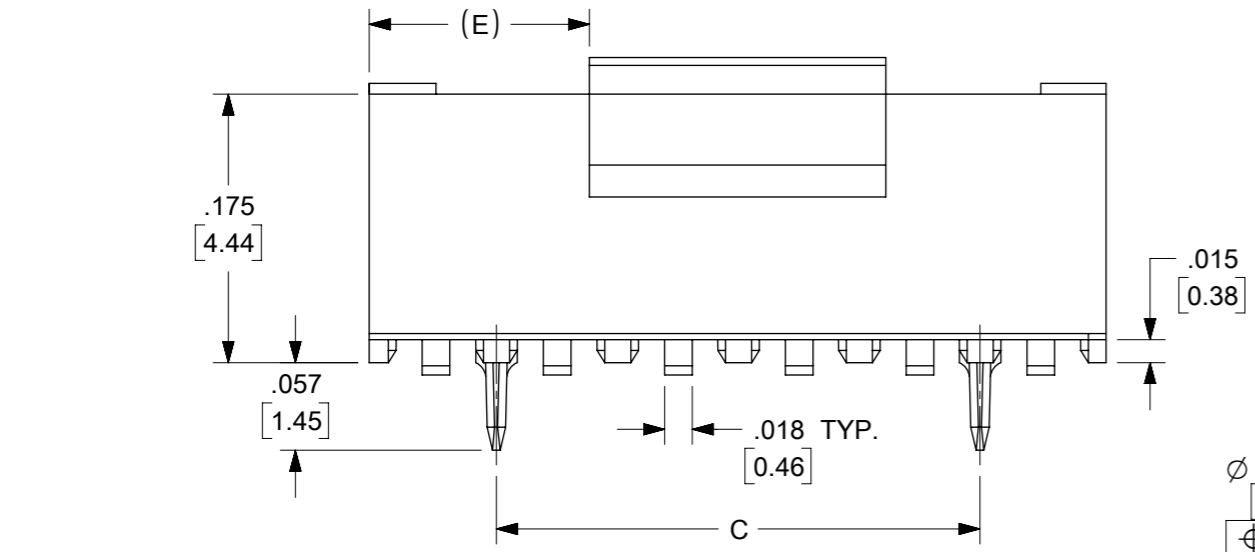
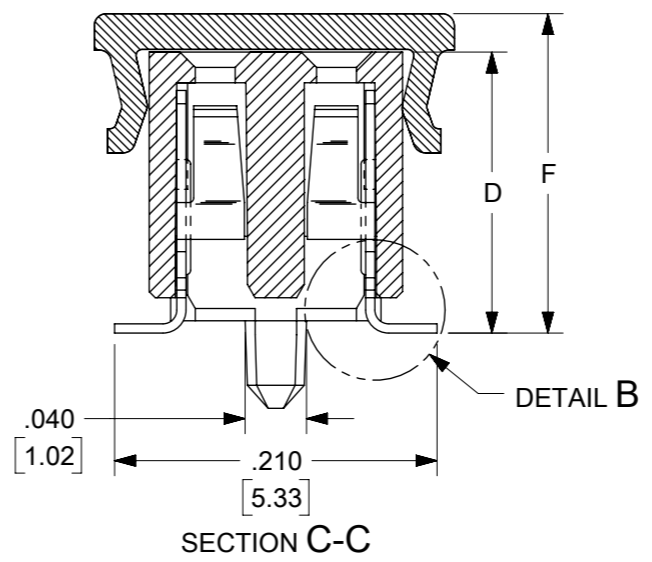


SECTION C-C

SYMBOLS = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS: mm SCALE: NTS	CURRENT REV DESC: EC NO: 716564 DRWN: DANUSA 2022/08/02 CHK'D: DANUSA 2022/08/03 APPR: MRAMAKRISHNA 2022/08/03																								
	GENERAL TOLERANCES (UNLESS SPECIFIED)					2MM DUAL ROW VERTICAL RECEPTACLE, SMT																				
	<table border="1"> <tr> <th></th> <th>MM</th> <th>INCH</th> </tr> <tr> <td>4 PLACES ±</td> <td></td> <td></td> </tr> <tr> <td>3 PLACES ±</td> <td></td> <td>± 0.01</td> </tr> <tr> <td>2 PLACES ±</td> <td>± 0.25</td> <td>± 0.015</td> </tr> <tr> <td>1 PLACE ±</td> <td>± 0.38</td> <td></td> </tr> <tr> <td>0 PLACES ±</td> <td></td> <td></td> </tr> <tr> <td>ANGULAR TOL</td> <td colspan="2">± 3.0°</td> </tr> </table>			MM	INCH	4 PLACES ±			3 PLACES ±		± 0.01	2 PLACES ±	± 0.25	± 0.015	1 PLACE ±	± 0.38		0 PLACES ±			ANGULAR TOL	± 3.0°		PRODUCT CUSTOMER DRAWING		
			MM	INCH																						
4 PLACES ±																										
3 PLACES ±		± 0.01																								
2 PLACES ±	± 0.25	± 0.015																								
1 PLACE ±	± 0.38																									
0 PLACES ±																										
ANGULAR TOL	± 3.0°																									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION 	DRAWING: A3-SIZE	SERIES: 79109	MATERIAL NUMBER: SD-79109-006	CUSTOMER: GENERAL MARKET	SHEET NUMBER: 2 OF 5																				



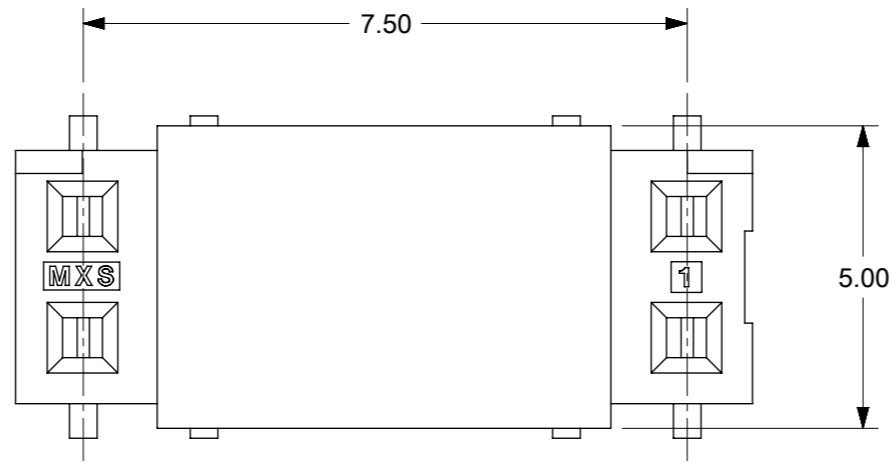
- NOTES:
- HOUSING MATERIAL : GLASS FILLED HIGH TEMP. THERMOPLASTIC. COLOR: BLACK.
 - TERMINAL MATERIAL: PHOSPHOR BRONZE
 - SEE APPROPRIATE SHEET FOR CIRCUIT SIZE, PART NUMBERS AND OVER-ALL DIMENSIONS.
 - FOR ILLUSTRATION, 6 & 12 CIRCUIT ASSEMBLY SHOWN.
 - REFER TO PRODUCT SPECIFICATION PS-79107.
 - TAPE PACKAGING PER PK-70873-0259.
 - SEE PSX-79107 FOR SUGGESTED BOTTOM ENTRY PIN LENGTHS.
 - .035 DIA. FOR PRESS FIT ONLY. USE .039±0.002 FOR ALIGNMENT PURPOSES ON PICK AND PLACE.
- △ MEASUREMENT IS TAKEN BETWEEN THE TANGENT OF THE TOE TO TIP OF THE TERMINAL.



SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex			
▽ = 0	mm	SCALE	NTS		EC NO: 716564				
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				DRWN: DANUSA 2022/08/02		2MM DUAL ROW VERTICAL RECEPTACLE, SMT		
▽ = 0	4 PLACES ±	MM	INCH		CHK'D: DANUSA 2022/08/03		PRODUCT CUSTOMER DRAWING		
▽ = 0	3 PLACES ±	± 0.01			APPR: MRAMAKRISHNA 2022/08/03		DOCUMENT NUMBER		
▽ = 0	2 PLACES ±	± 0.25 ± 0.015			INITIAL REVISION:		SD-79109-006		
▽ = 0	1 PLACE ±	0.38 ±			DRWN: DRWN BY XXXX/XX/XX		DOC TYPE		
▽ = 0	0 PLACES ±				APPR: APPR BY XXXX/XX/XX		DOC PART		
▽ = 0	ANGULAR TOL ± 3.0°				DRAWING		REVISION		
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		
▽ = 0			A3-SIZE		79109		CUSTOMER		
						GENERAL MARKET		SHEET NUMBER	
								3 OF 5	

PARTS WITH PEG

CKT. SIZE	DIM A		DIM B		DIM C		DIM D		DIM E		DIM F		ITEM No.	ASSEMBLY P/N WITH KAPTON TAPE	PLATING OPTION SEE SHEET 1
	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM			
A11 6	.157	(4.00)	.164	(4.19)	.078	(2.00)		(4.65)	--	--	.207	(5.25)	79109-8625	-	2
8	.236	(6.00)	.322	(8.19)	.157	(4.00)	.183	(4.65)	.065	(1.65)			79109-9108	-	1
10	.315	(8.00)	.401	(10.19)	.236	(6.00)	.183	(4.65)	.104	(2.65)			79109-9110	-	2
18	.630	(16.00)	.716	(18.19)	.551	(14.00)	.183	(4.65)	.262	(6.65)			79109-9118	79109-9318	1
26	.945	(24.00)	1.03	(26.19)	.866	(22.00)	.183	(4.65)	.419	(10.64)			79109-9126	-	2



12CKT WITH KAPTON TAPE ILLUSTRATION

SYMBOLS DIMENSION UNITS: mm, NTS SCALE: NTS GENERAL TOLERANCES (UNLESS SPECIFIED): 4 PLACES ± 0.01 3 PLACES ± 0.01 2 PLACES ± 0.25 ± 0.015 1 PLACE ± 0.38 0 PLACES ± 0.015 ANGULAR TOL ± 3.0° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION DRAWING: A3-SIZE SERIES: 79109	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: EC NO: 716564 DRWN: DANUSA 2022/08/02 CHK'D: DANUSA 2022/08/03 APPR: MRAMAKRISHNA 2022/08/03				
	PRODUCT CUSTOMER DRAWING				2MM DUAL ROW VERTICAL RECEPTACLE, SMT		
	DOCUMENT NUMBER: SD-79109-006		DOC TYPE: PSD	DOC PART: 001	REVISION: A11	MATERIAL NUMBER: GENERAL MARKET	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING: A3-SIZE	SERIES: 79109	MATERIAL NUMBER:	CUSTOMER: GENERAL MARKET

BOARD TO BOARD (BTB) DISTANCE

RECEPTACLE	MATES WITH(HEADER)	BTB DISTANCE	PICTORIAL VIEW
79109	87831	7.15	
	87832	8.35	
	151117	7.15	
	151118	8.35	

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex		
	DIMENSION UNITS	SCALE					
	mm	NTS	EC NO: 716564		DOCUMENT NUMBER		
	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: DANUSA 2022/08/02		SD-79109-006		
	MM	INCH	CHK'D: DANUSA 2022/08/03		DOC TYPE	DOC PART	REVISION
4 PLACES ±			APPR: MRAMAKRISHNA 2022/08/03		PSD	001	A11
3 PLACES ±		± 0.01	INITIAL REVISION:		MATERIAL NUMBER		
2 PLACES ±	0.25	± 0.015	DRWN: DRWN BY XXXX/XX/XX		CUSTOMER		
1 PLACE ±	0.38		APPR: APPR BY XXXX/XX/XX		GENERAL MARKET		
0 PLACES ±			ANGULAR TOL ± 3.0°		SHEET NUMBER		
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	5 OF 5	
▽ = 0				A3-SIZE	79109		