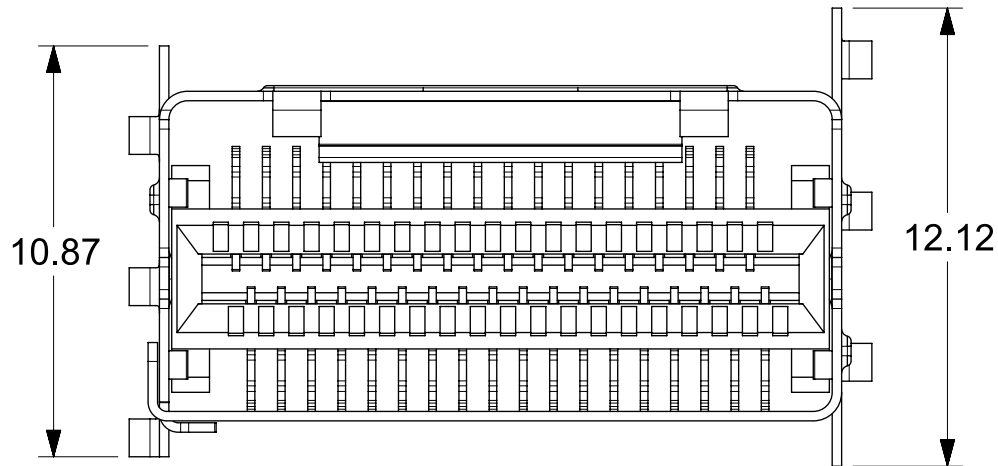
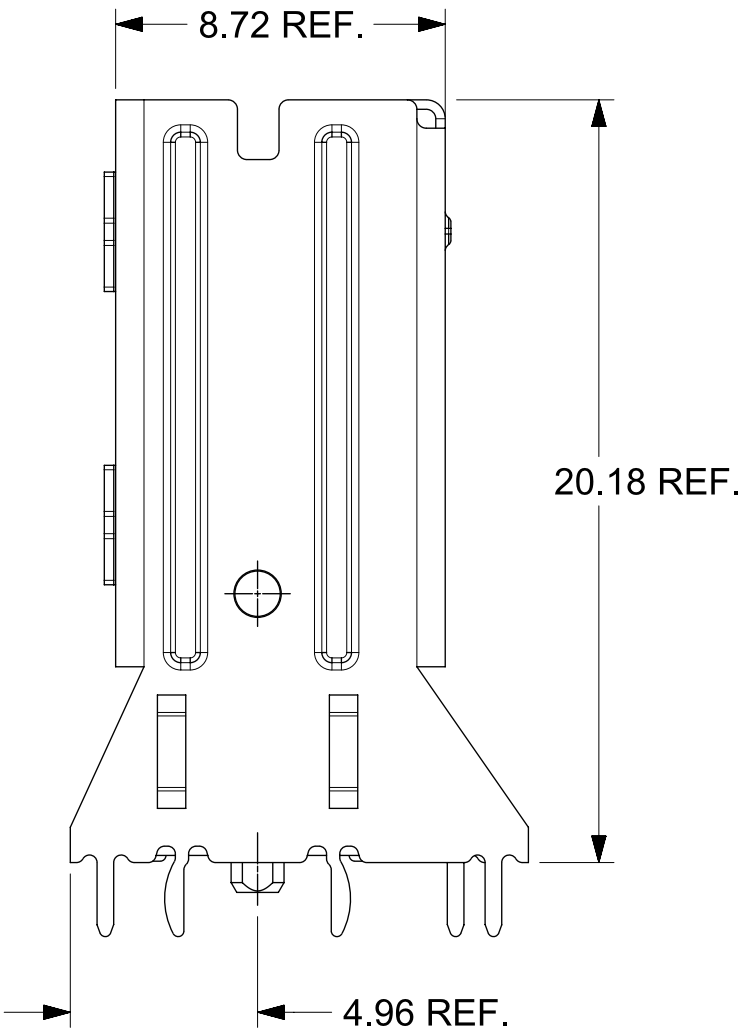
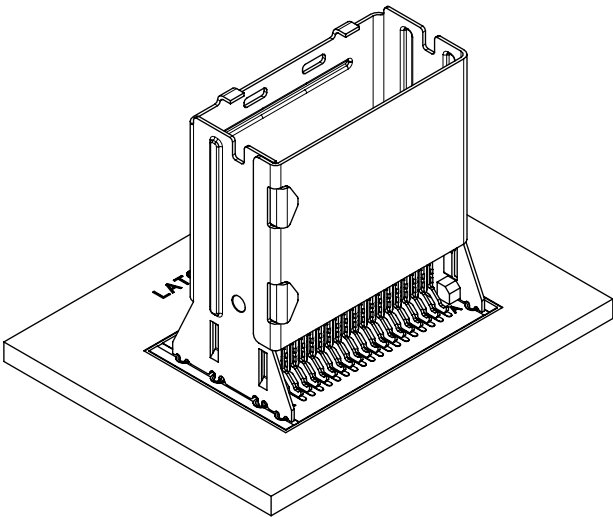
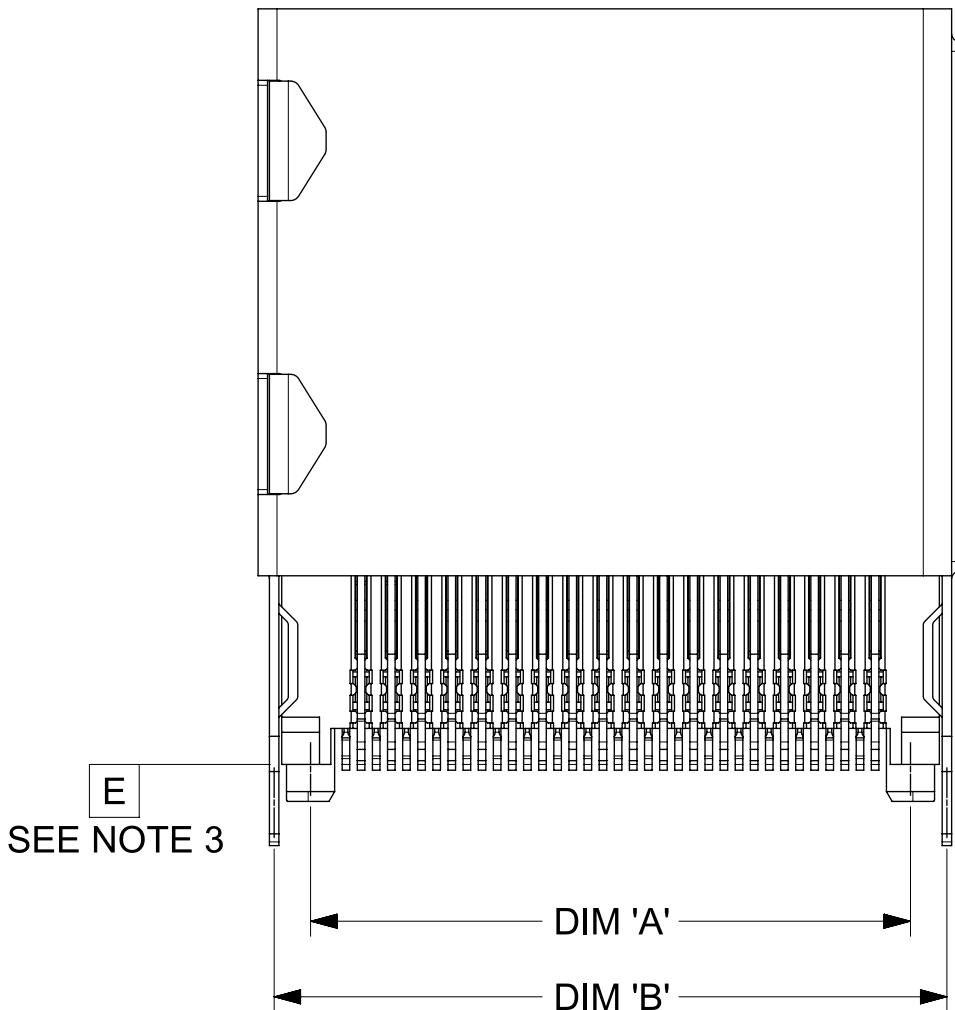
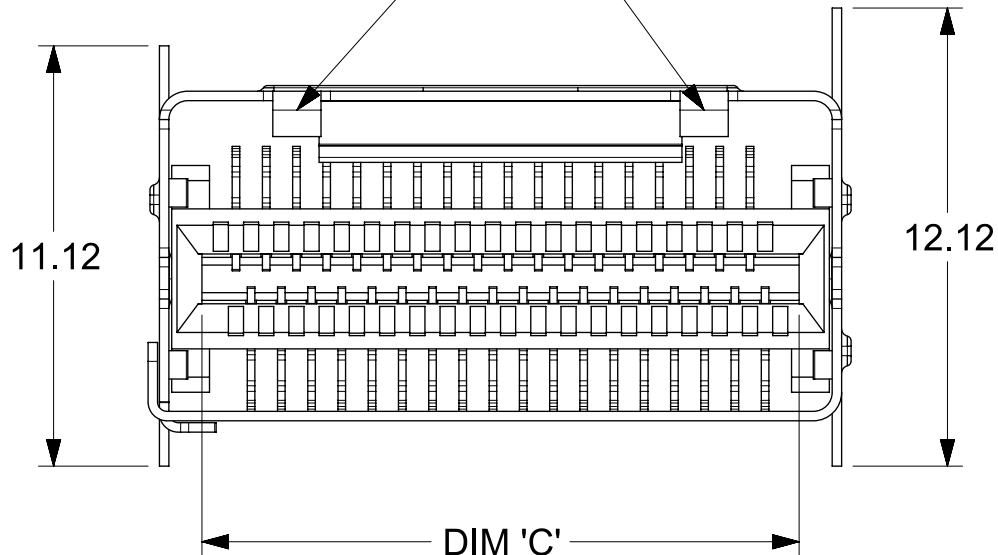


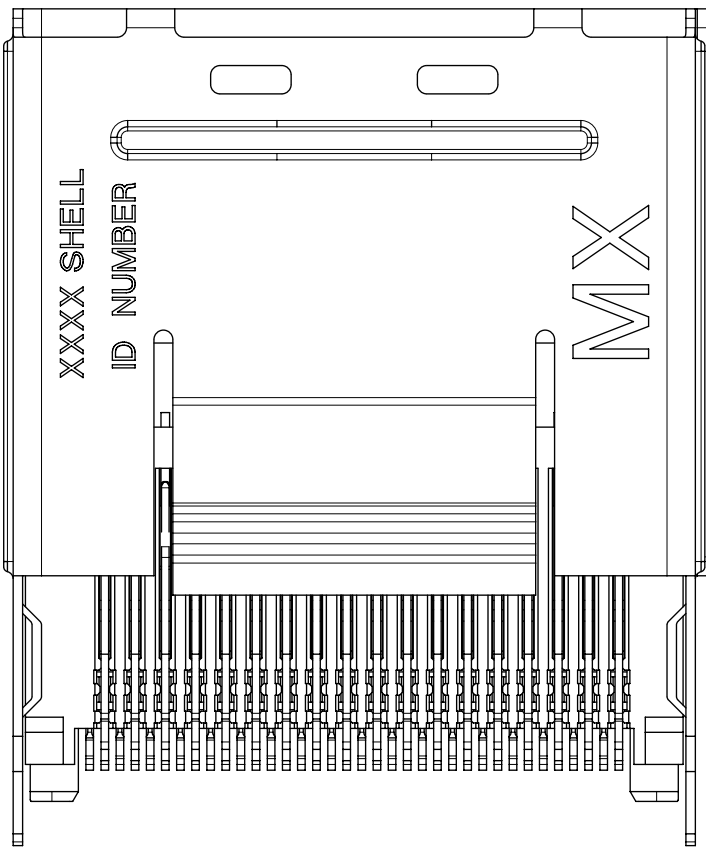


SMT

KEY LOCATIONS

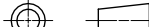


36 CIRCUIT
RETENTION FIT
SHELL OPTION SHOWN



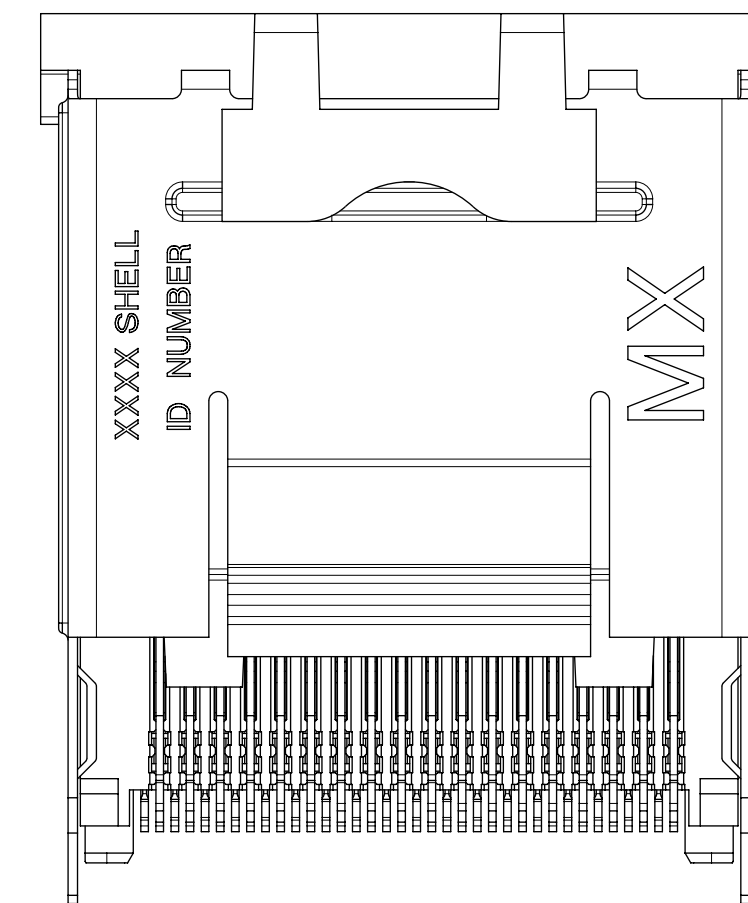
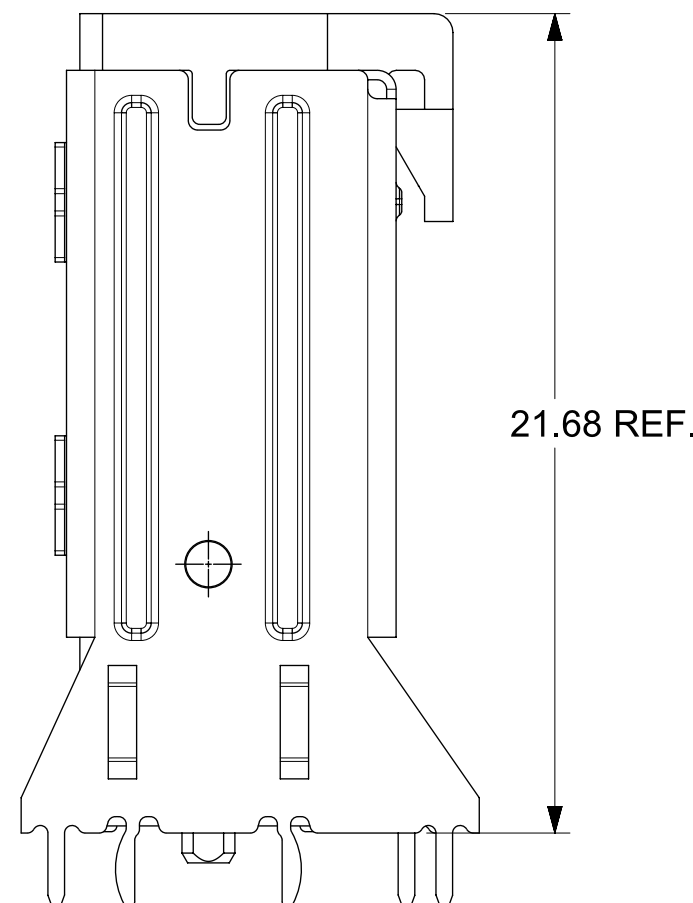
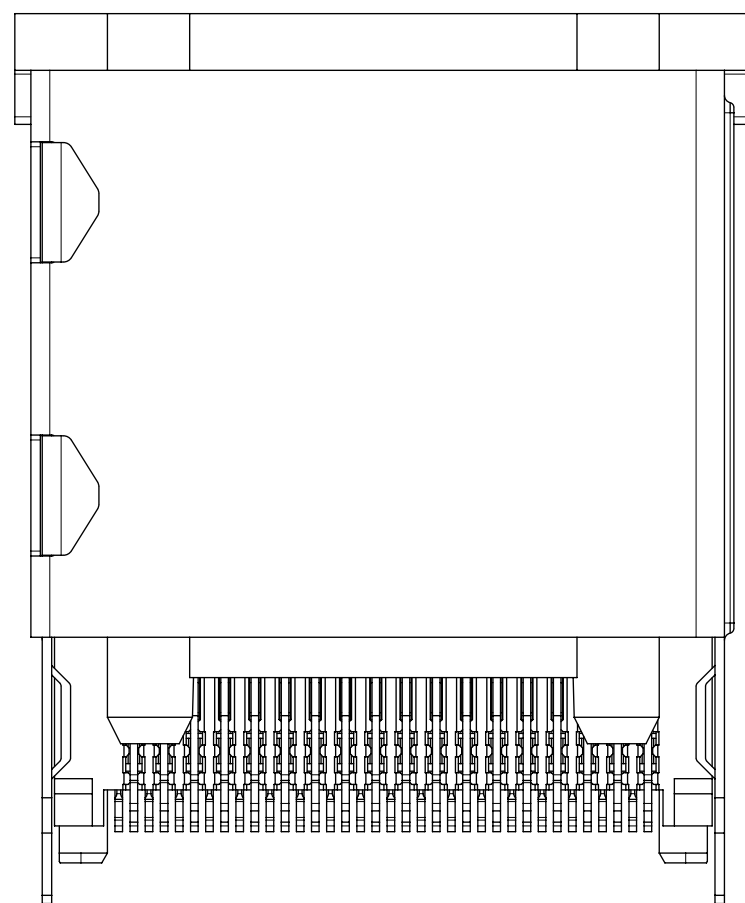
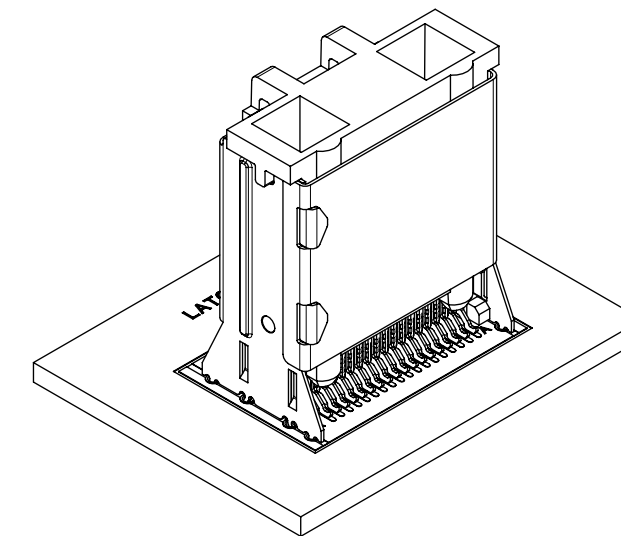
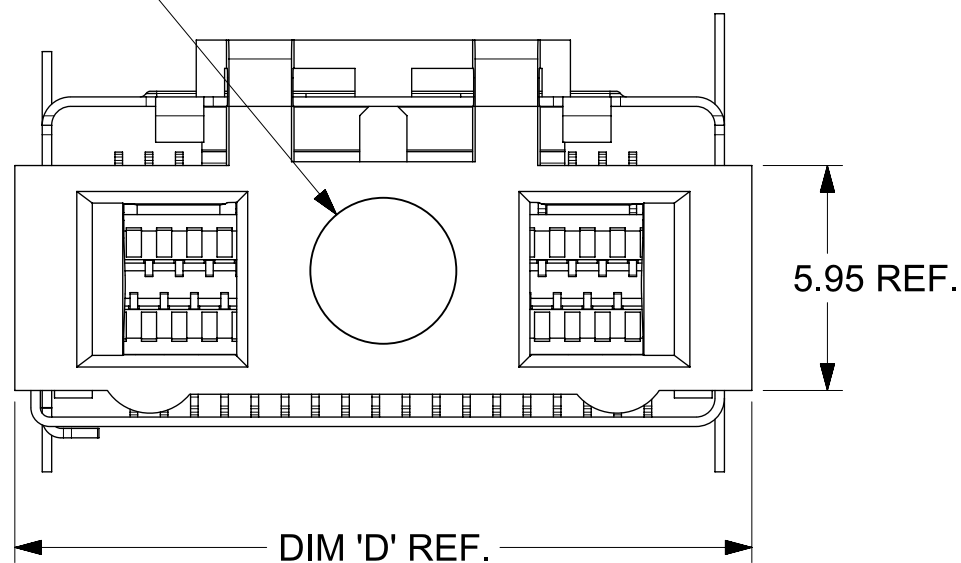
- NOTES:
- MATERIAL:
CONNECTOR:
HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK
TERMINALS - COPPER ALLOY
SHELL
NICKEL SILVER, C770, THICKNESS: 0.250/0.254
 - FINISH:
CONNECTOR
OPTION 1
CONTACT AREA - 0.38µm MIN GOLD OVER 2.54 µm NICKEL
SOLDER FOOT AREA - 2.54-5.09µm TIN OVER 1.27 µm NICKEL
OPTION 2
CONTACT AREA - 0.76µm MIN GOLD OVER 2.54 µm NICKEL
SOLDER FOOT AREA - 2.54-5.09µm TIN OVER 1.27 µm NICKEL
 - TERMINAL SOLDER FEET TO BE COPLANAR WITHIN 0.10 MEASURED FROM DATUM E
 - DATE CODE: 4 DIGIT (3 DIGIT DAY, 1 DIGIT YEAR) ON CONNECTOR ONLY
 - CIRCUIT IDENTIFIER: SEE APPROPRIATE INDUSTRY SPECIFICATION FOR LOCATION OF PIN 1
 - TO BE USED WITH THE FOLLOWING CABLE SERIES:
79575/74563/79576/74573/79536/74562/74569/74586
 - PACKAGED PER PACKAGING SPECIFICATION: PK-75783-001
 - CONFORMS TO PRODUCT SPECIFICATION: PS-75783-001
 - PROCESS PER APPLICATION SPECIFICATION: AS-75783-001
 - THIS PART CONFORMS TO CLASS C REQUIREMENTS OF COSMETIC SPEC PS-45499-002

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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: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148				molex							
mm		5:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)								I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O							
ANGULAR TOL ± 0.5°				PRODUCT SALES DRAWING											
4 PLACES		±													
3 PLACES		±		DOCUMENT NUMBER		DOC TYPE		DOC PART	REVISION						
2 PLACES ± 0.130		STATUS: Production DRWN: Vishal Ramesh Hosur 2024-05-08 CHK'D: Ganesh Rao B 2024-05-20 APPR: Gurunandan GA 2024-05-20		SD-75784-001		PSD		001	D9						
1 PLACE ± 0.25															
0 PLACES ±															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						C-SIZE		75784		SEE TABLE		GENERAL MARKET		1 OF 12	

[illegible]

PICK & PLACE
NOZZLE AREA



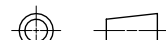
36 CIRCUIT RETENTION FIT SHOWN

NOTES:

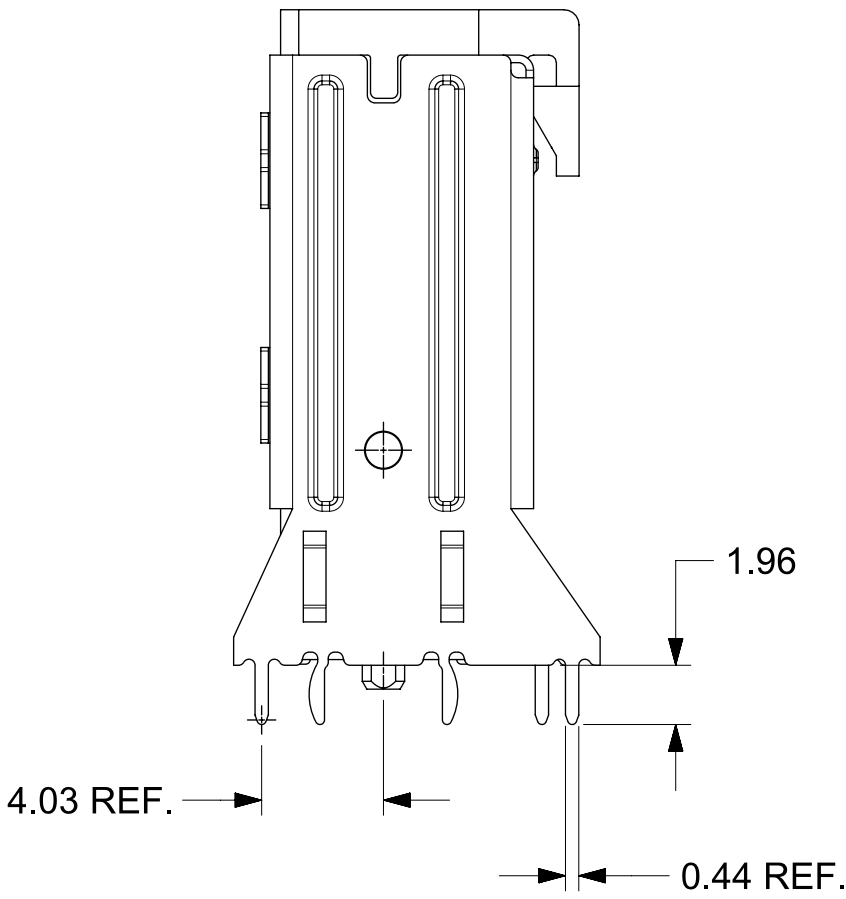
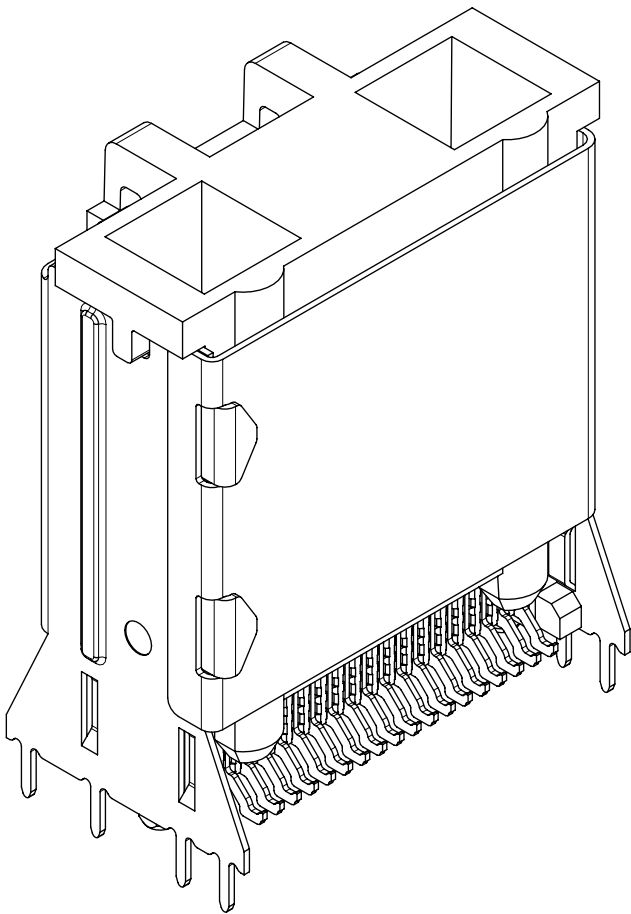
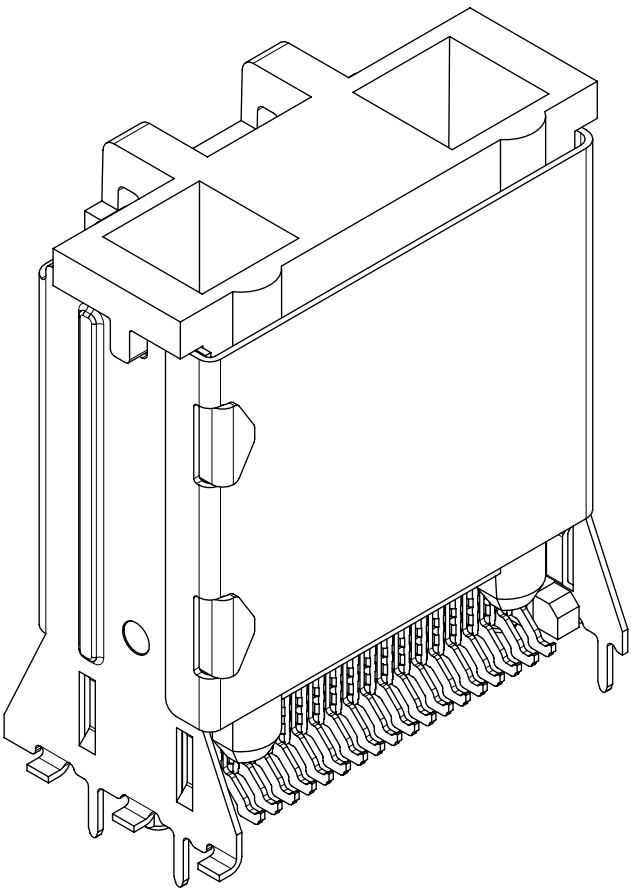
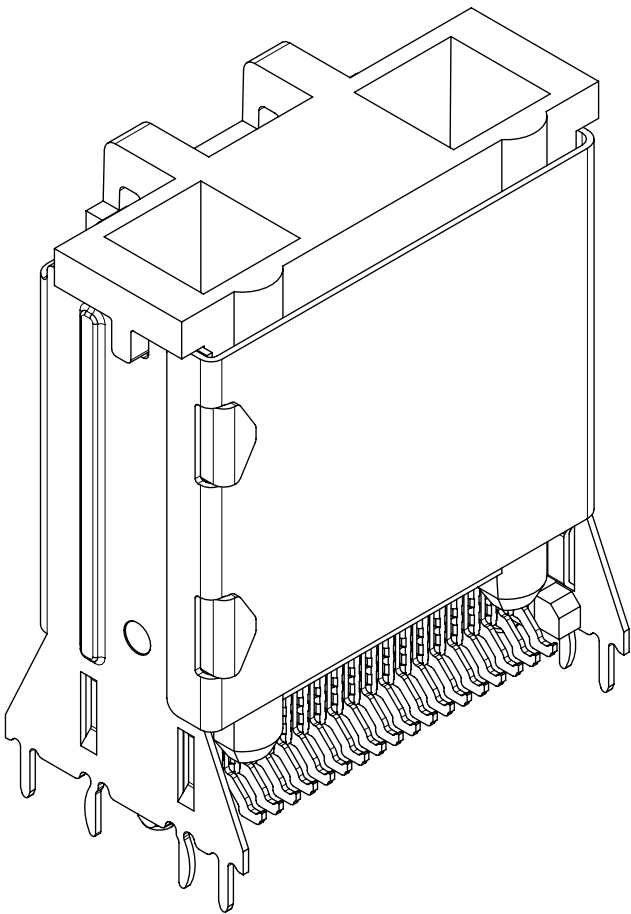
1. PICK AND PLACE LOCATION DEFINED ON APPLICATION SPECIFICATION AS-75783-001
2. PACKAGING CONSISTS OF CONNECTOR AND SHELL WITH A PRE-POSITIONING PICK AND PLACE DEVICE THAT ARE PACKAGED IN "TAPE AND REEL" FOR ROBOTIC PICK AND PLACE.

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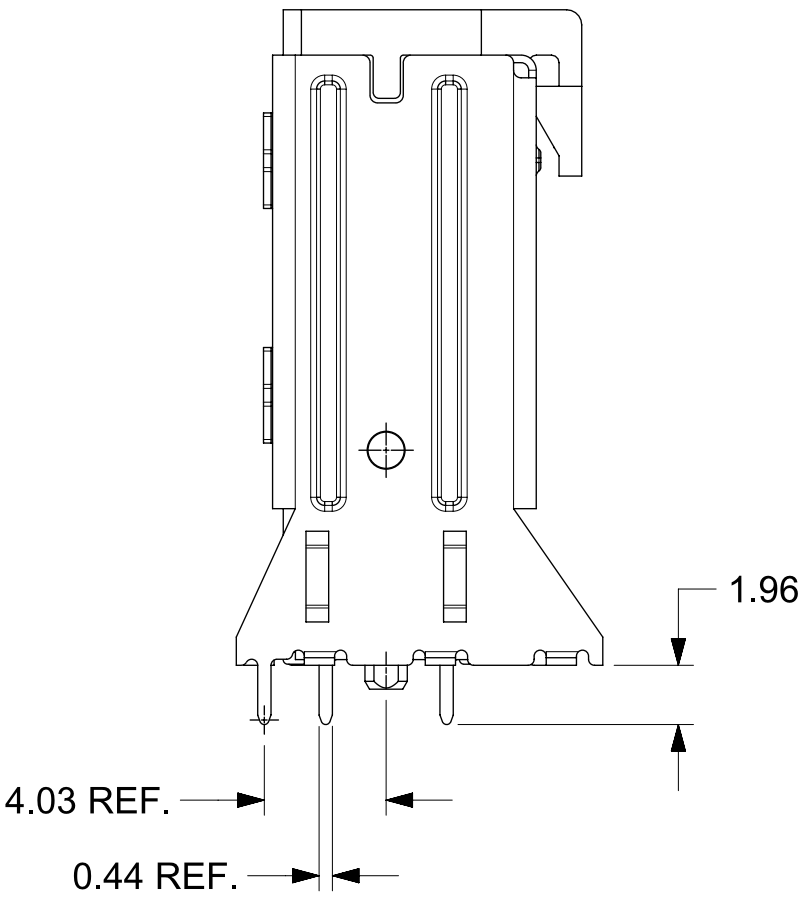
CIRCUIT SIZE	DIM 'D'
36	19.50
50	25.10
68	32.30

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: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148				molex						
mm		5:1												
GENERAL TOLERANCES (UNLESS SPECIFIED)								I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O						
ANGULAR TOL ± 0.5°														
4 PLACES		±												
3 PLACES		±		PRODUCT SALES DRAWING										
2 PLACES		± 0.130												
1 PLACE		± 0.25												
0 PLACES		±												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING C-SIZE		SERIES 75784		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
										SD-75784-001		PSD	001	D9
										SEE TABLE		GENERAL MARKET		SHEET NUMBER 2 OF 12
STATUS: Production				DRWN: Vishal Ramesh Hosur		2024-05-08								
				CHK'D: Ganesh Rao B		2024-05-20								
				APPR: Gurunandan GA		2024-05-20								

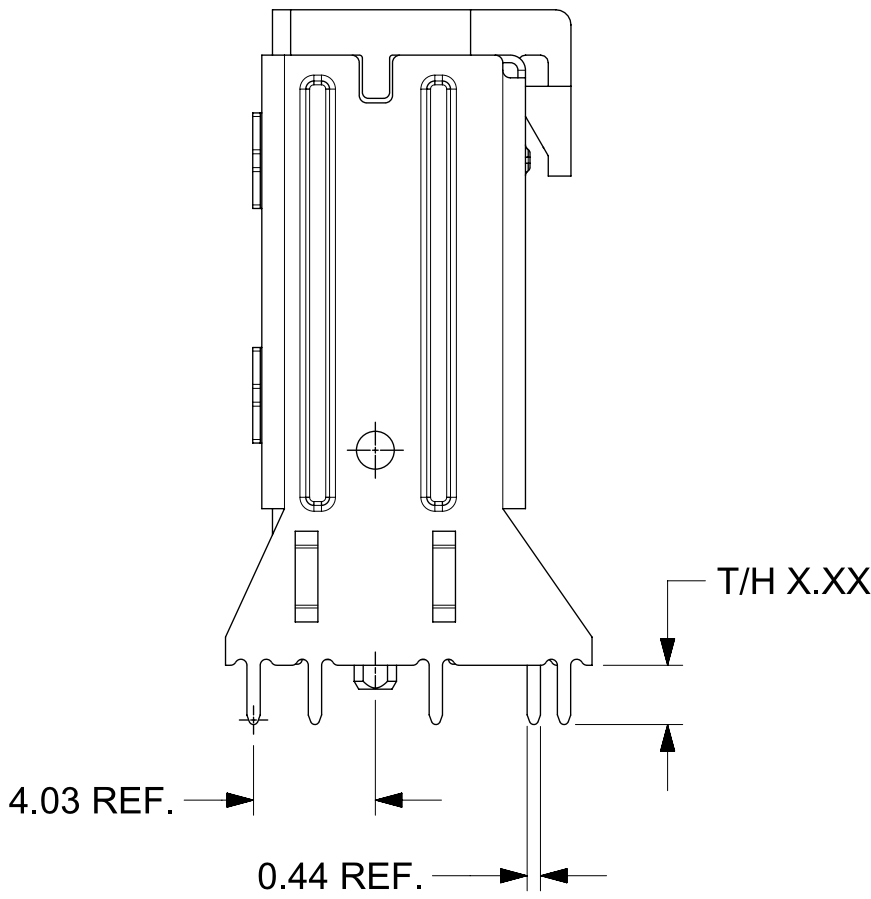
SHELL PCB INTERFACE



RETENTION-FIT
SHELL OPTION



SMT SHELL OPTION



THRU-HOLE SHELL OPTION
SEE TABLE FOR LENGTH
(X.XX DENOTES LENGTH)

RECOMMENDED PCB THICKNESS FOR SPECIFIED TAIL LENGTH	
TAIL LENGTH	PCB THICKNESS
1.96	1.57 (.062)
2.79	2.36 (.093)
3.18	2.79 (.110)
3.56	3.18 (.125)

NOTE:
RETENTION FIT DENOTES TAILS THAT OFFER RETENTION
TO PCB DURING REFLOW PROCESS
SMT DENOTES SURFACE MOUNT TERMINATION
T/H X.XX DENOTES THRU-HOLE TAIL OF LENGTH X.XX

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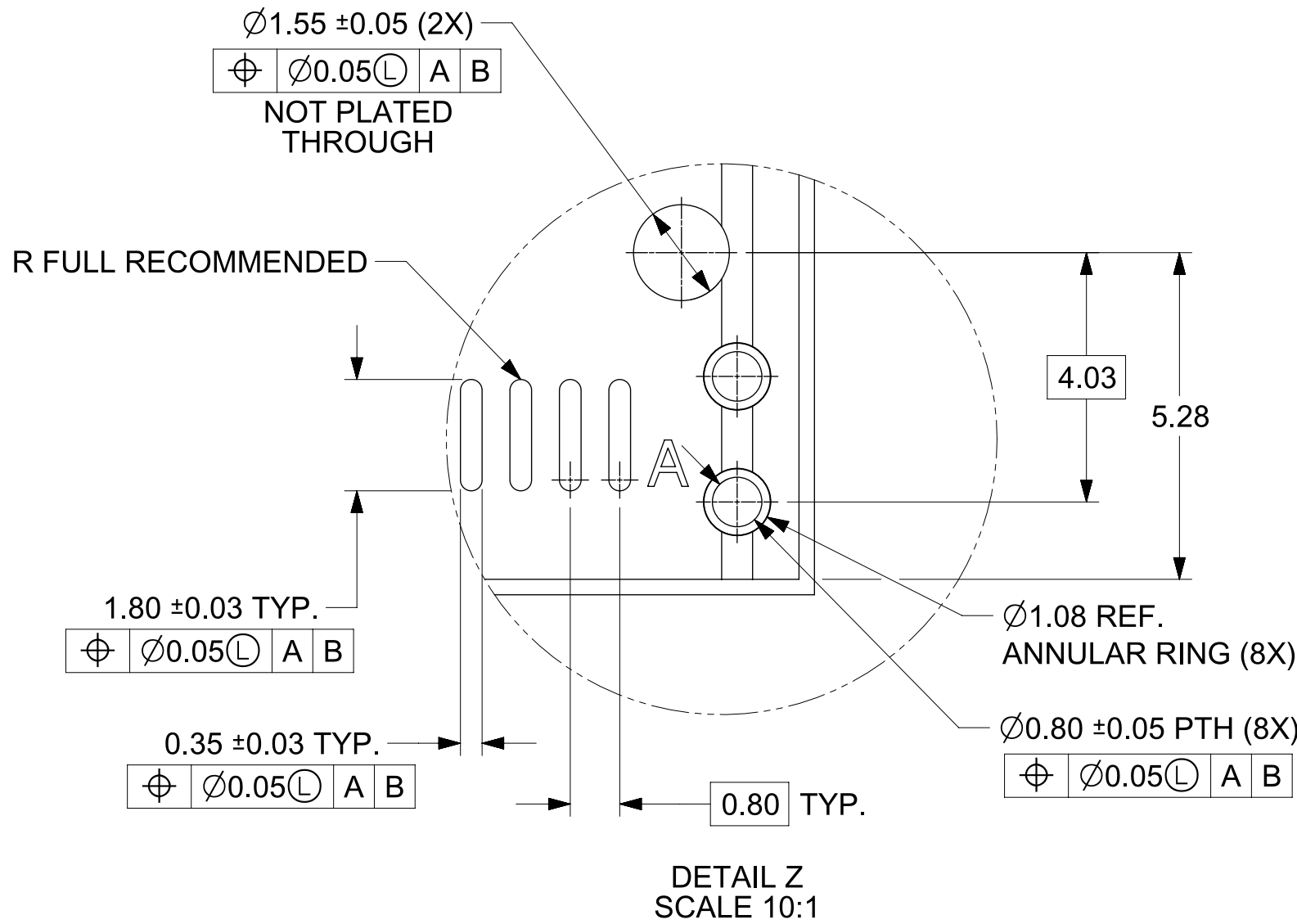
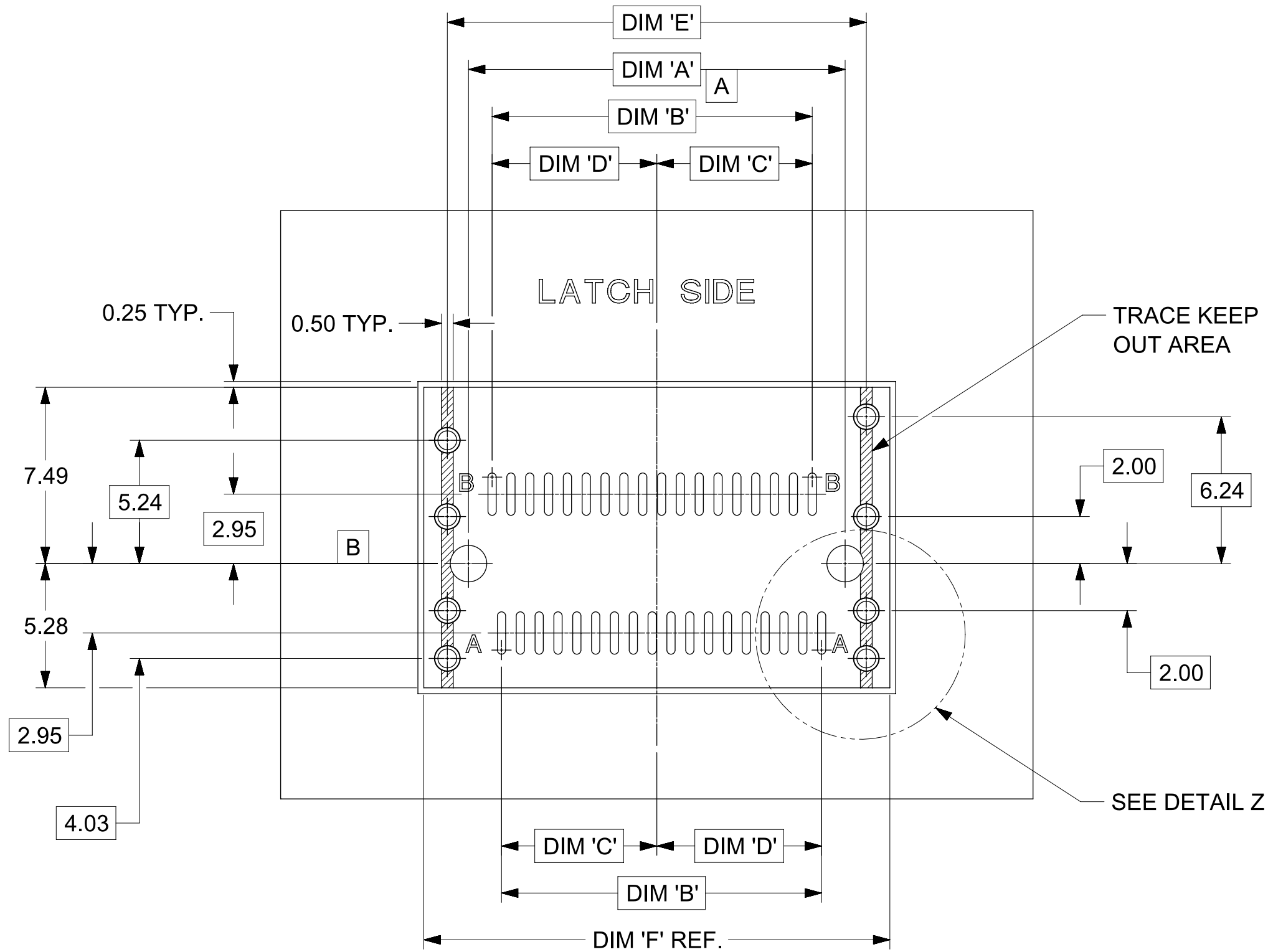
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148				molex					
mm		4:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)								I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O					
ANGULAR TOL ± 0.5°								PRODUCT SALES DRAWING					
4 PLACES		±										DOCUMENT NUMBER	
3 PLACES		±						SD-75784-001		PSD		001	D9
2 PLACES		± 0.130											
1 PLACE		± 0.25											
0 PLACES		±											
STATUS: Production DRWN: Vishal Ramesh Hosur													

molex

I-PASS VERT CONNECTOR
INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

PRODUCT SALES DRAWING

VERTICAL CONNECTOR
WITH RETENTION FIT & THRU-HOLE SHELL
PCB FOOT PRINT



	PEG TO PEG	FIRST TO LAST PAD	CENTERLINE TO PAD	CENTERLINE TO PAD	SHELL PEG TO PEG	SHELL FOOTPRINT WIDTH
CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'
36	16.00	13.60	6.60	7.00	17.80	19.80
50	21.60	19.20	9.40	9.80	23.40	25.40
68	28.80	26.40	13.00	13.40	30.60	32.60

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DIMENSION UNITS	SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148							
mm	5:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± 0.5°								
4 PLACES	±								
3 PLACES	±								
2 PLACES	± 0.130								
1 PLACE	± 0.25								
0 PLACES	±								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER			
		C-SIZE	75784	SEE TABLE	GENERAL MARKET	8 OF 12			

STATUS: Production

DRWN: Vishal Ramesh Hosur

CHK'D: Ganesh Rao B

APPR: Gurunandan GA

2024-05-08

2024-05-20

2024-05-20

DOCUMENT NUMBER

SD-75784-001

DOC TYPE

PSD

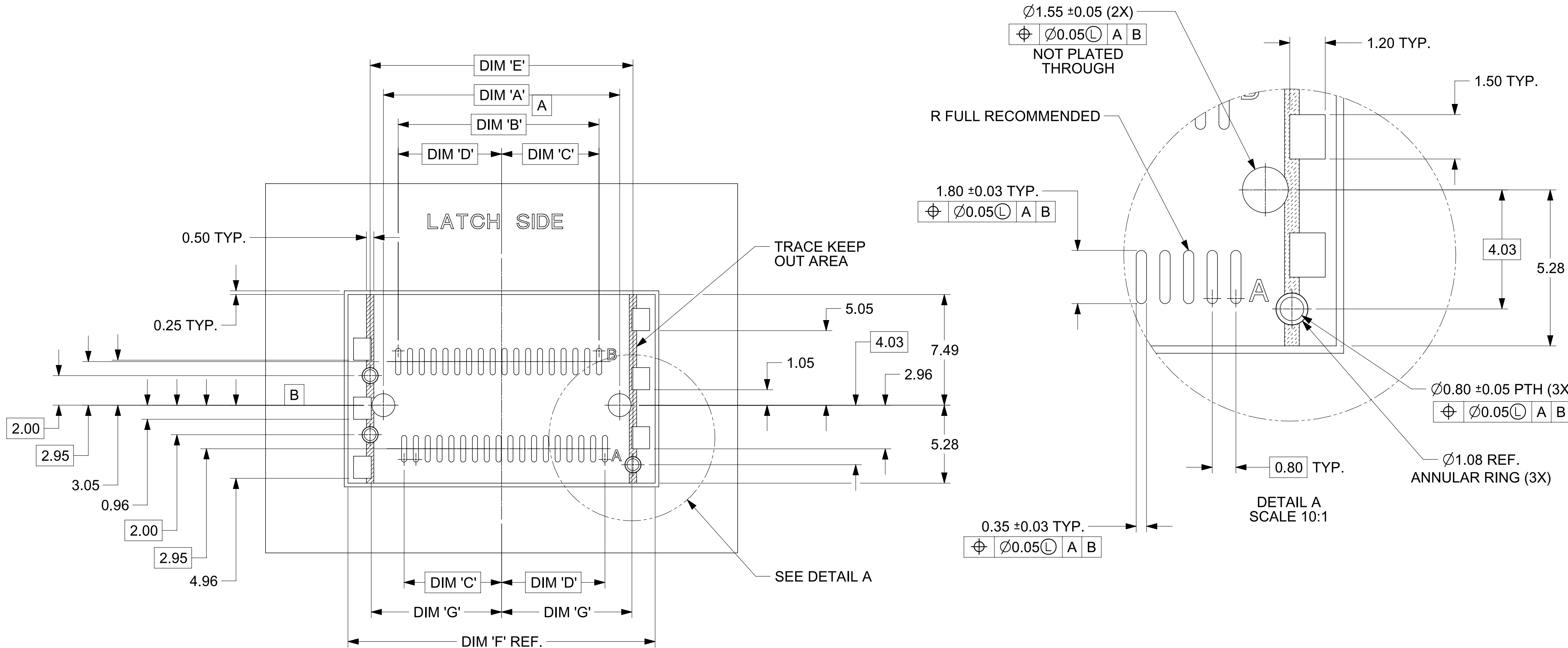
DOC PART

001

REVISION

D9

VERTICAL CONNECTOR
WITH SMT SHELL
PCB FOOT PRINT



36 CIRCUIT SHOWN

	PEG TO PEG	FIRST TO LAST PAD	CENTERLINE TO PAD	CENTERLINE TO PAD	SHELL PEG TO PEG	SHELL FOOTPRINT WIDTH	CENTERLINE TO PAD EDGE
CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'
36	16.00	13.60	6.60	7.00	17.80	20.80	8.825
50	21.60	19.20	9.40	9.80	23.40	26.40	11.625
68	28.80	26.40	13.00	13.40	30.60	33.60	15.225

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: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148		
mm	5:1			
GENERAL TOLERANCES (UNLESS SPECIFIED)				
ANGULAR TOL	± 0.5°			
4 PLACES	±			
3 PLACES	±			
2 PLACES	± 0.130			
1 PLACE	± 0.25			
0 PLACES	±			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			C-SIZE	75784

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I-PASS VERT CONNECTOR
INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

PRODUCT SALES DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-75784-001	PSD	001	D9

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	9 OF 12

STATUS: Production

DRWN: Vishal Ramesh Hosur

CHK'D: Ganesh Rao B

APPR: Gurunandan GA

2024-05-08

2024-05-20

2024-05-20

FORMAT: TC-4b-prod-G