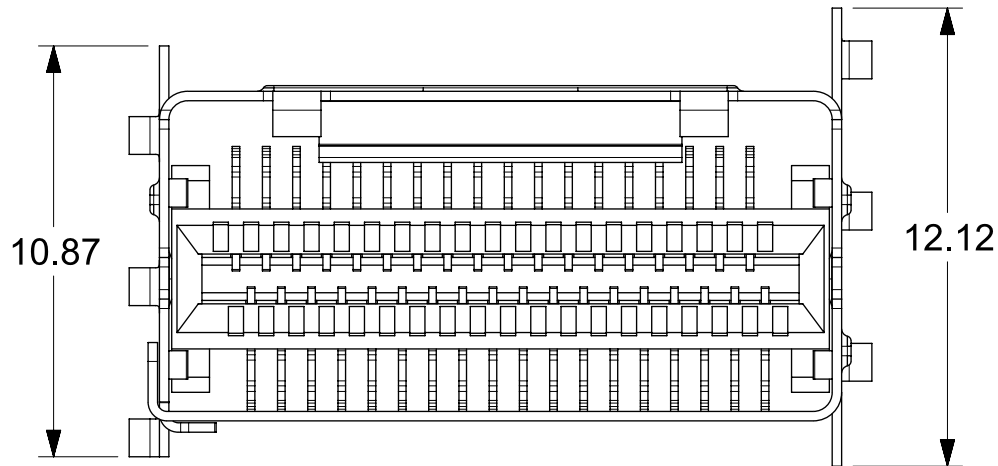
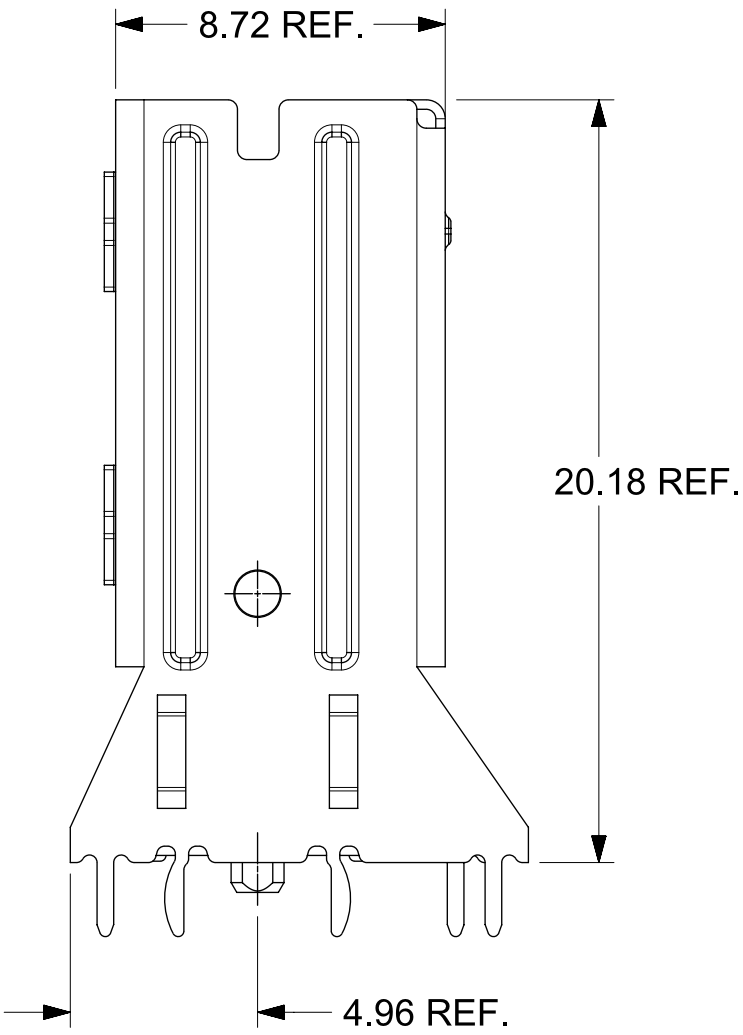
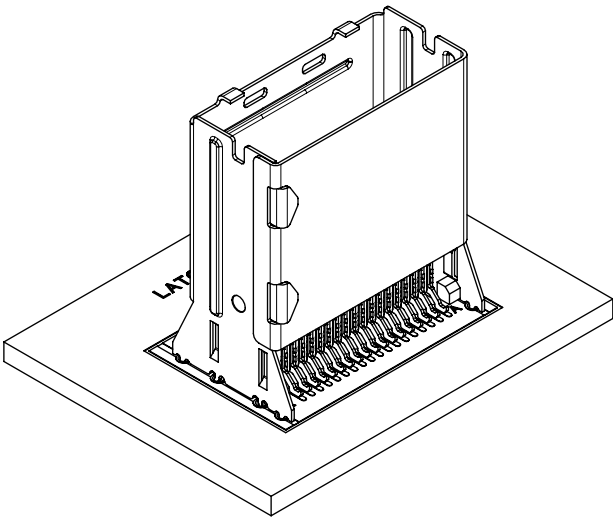
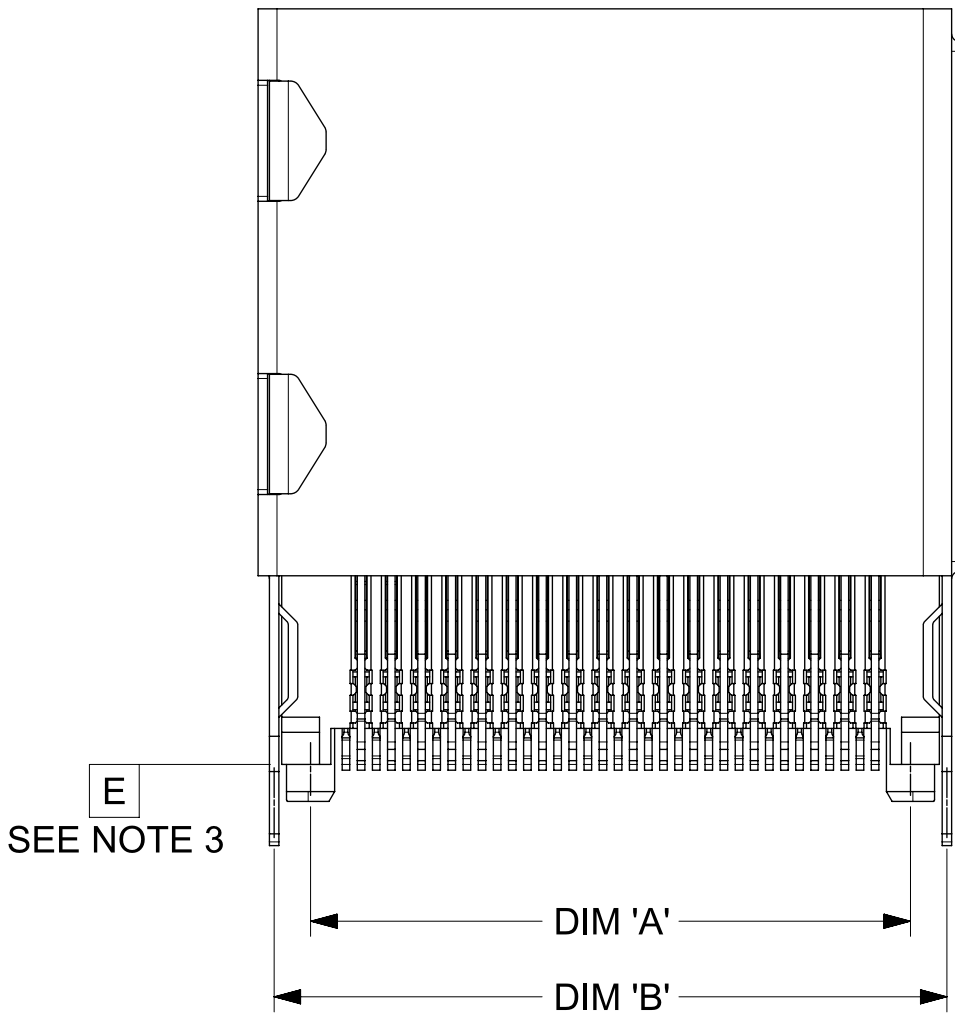
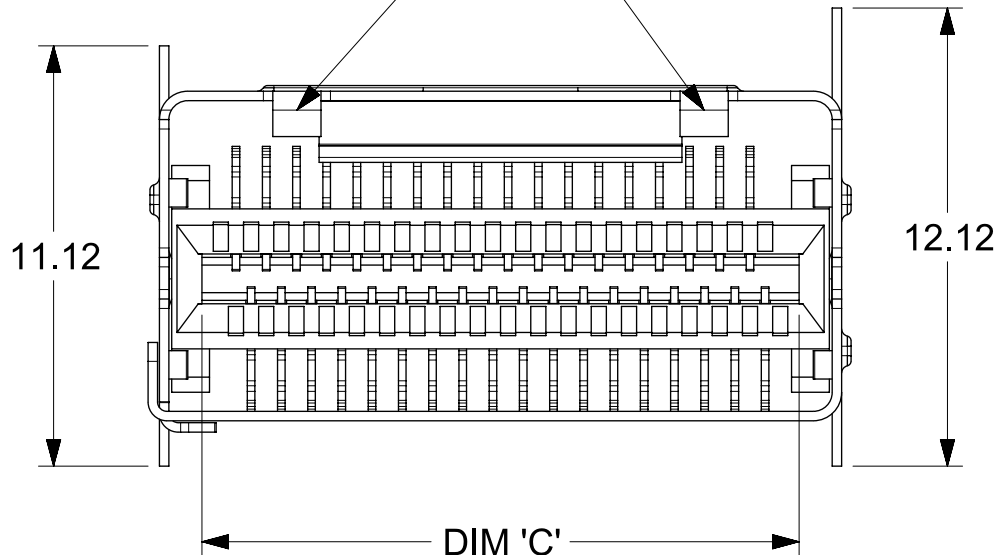


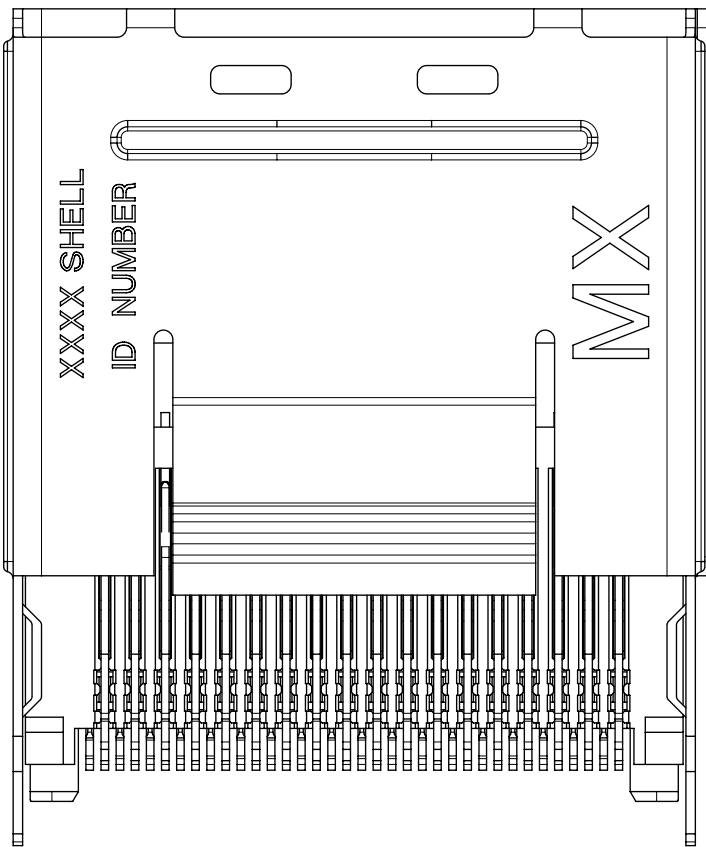


SMT

KEY LOCATIONS

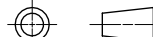


36 CIRCUIT
RETENTION FIT
SHELL OPTION SHOWN



- 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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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		±		STATUS: Production DRWN: Vishal Ramesh Hosur 2024-05-08 CHK'D: Ganesh Rao B 2024-05-20 APPR: Gurunandan GA 2024-05-20		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
3 PLACES		±				SD-75784-001		PSD	001	D9	
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		1 OF 12

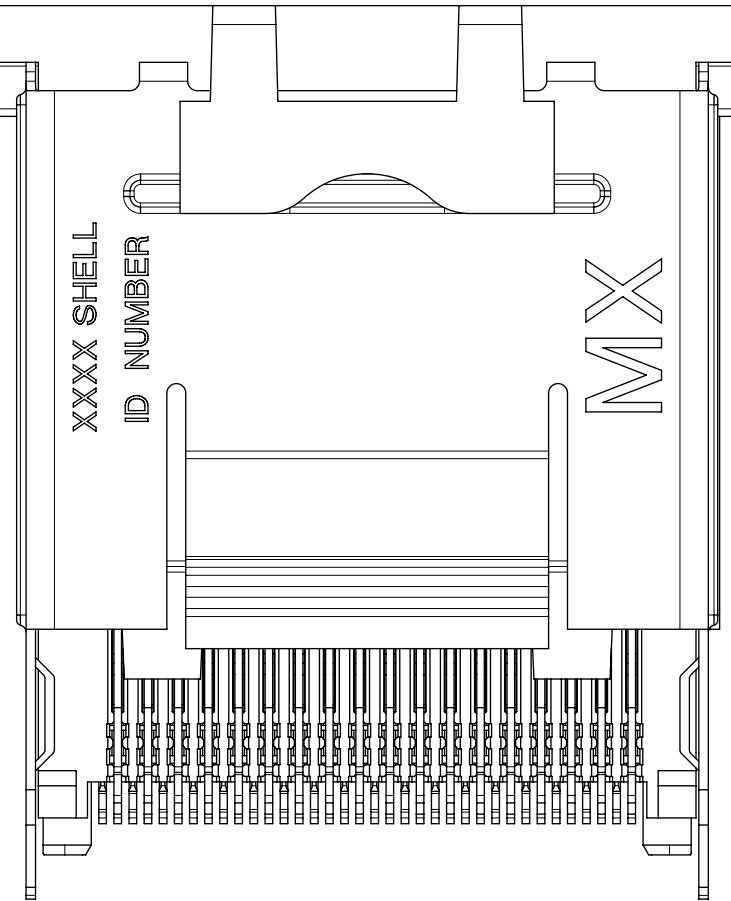
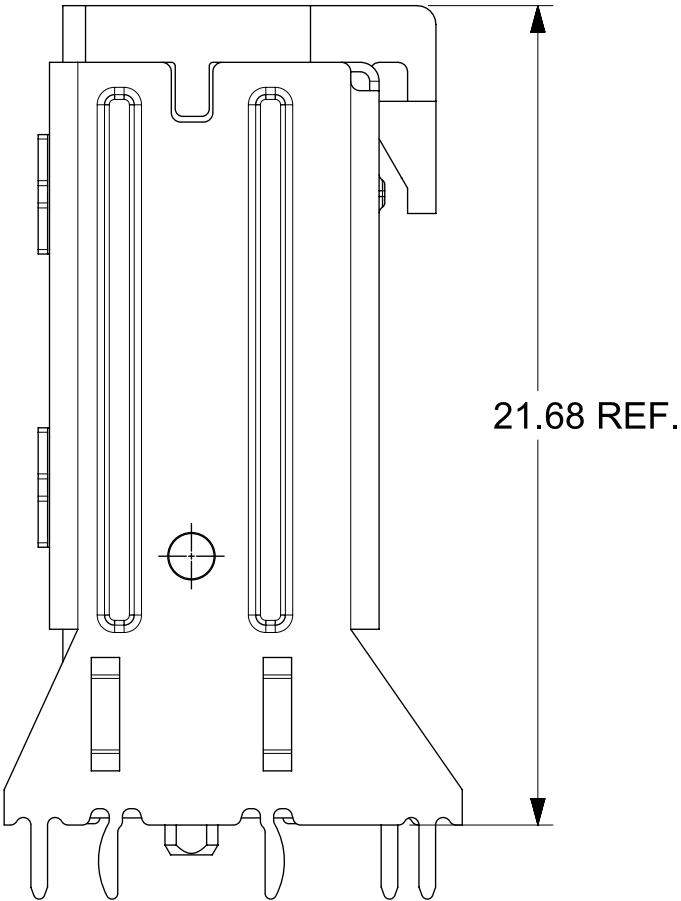
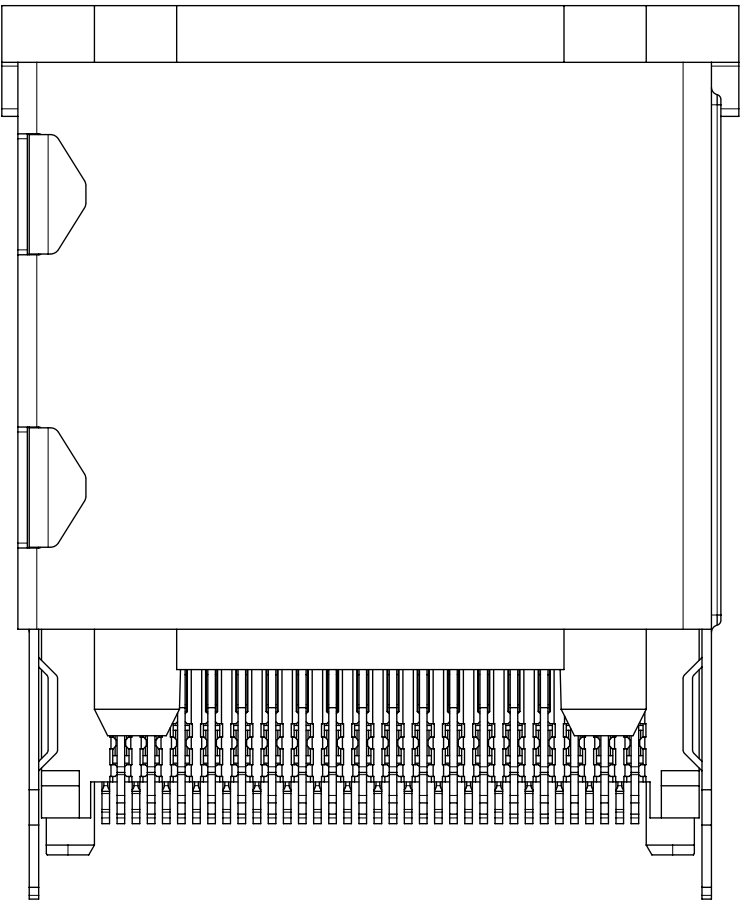
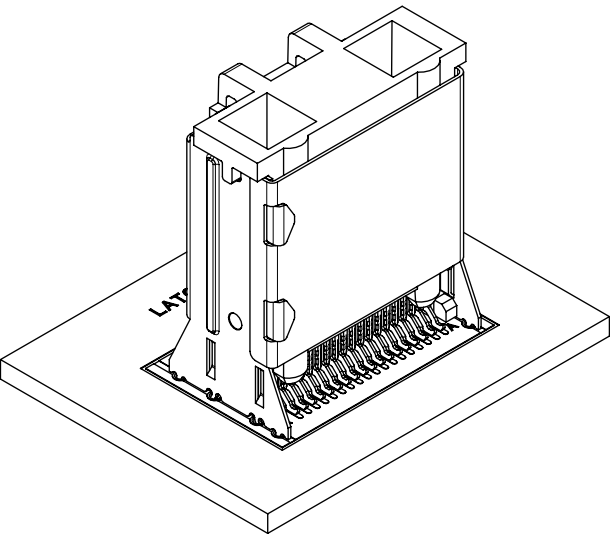
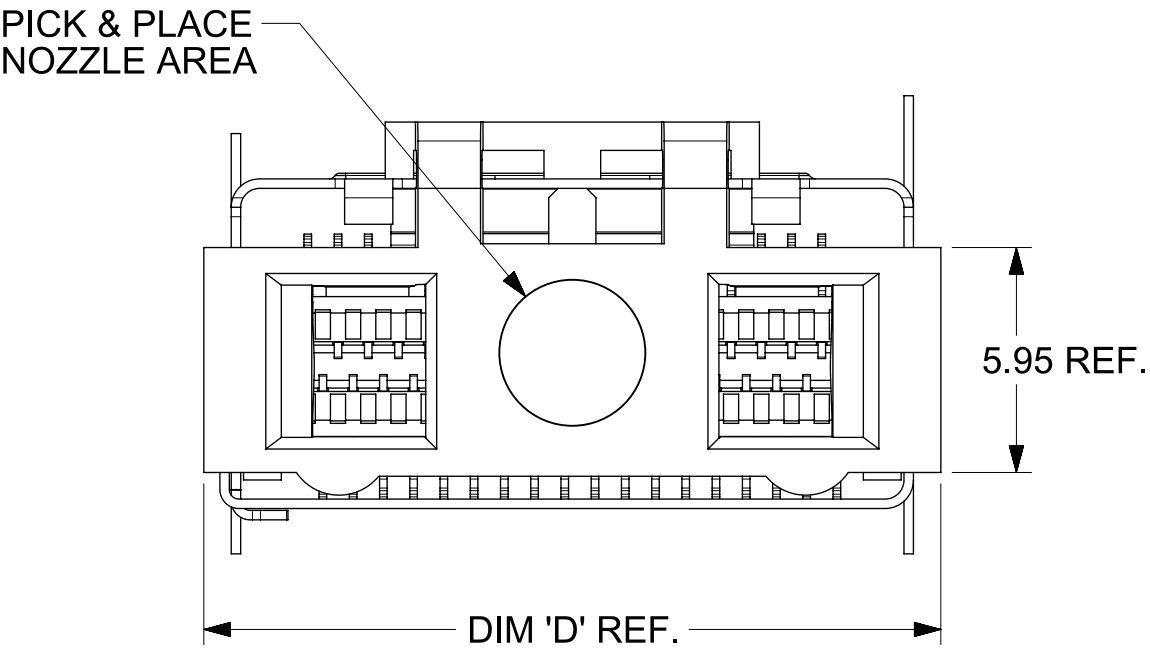
molex

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

PRODUCT SALES DRAWING

CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'
36	16.00	17.80	15.80
50	21.60	23.40	21.40
68	28.80	30.60	28.60

ASSEMBLY WITH PRE-POSITIONING DEVICE



36 CIRCUIT RETENTION FIT SHOWN

- NOTES:
- PICK AND PLACE LOCATION DEFINED ON APPLICATION SPECIFICATION AS-75783-001
 - 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

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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 PRODUCT SALES DRAWING <table><tr><td>DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>REVISION</td></tr><tr><td>SD-75784-001</td><td>PSD</td><td>001</td><td>D9</td></tr></table>								DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	SD-75784-001	PSD	001	D9
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION																
SD-75784-001	PSD	001	D9																
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									
						C-SIZE		75784		SEE TABLE									
								75784		CUSTOMER									
										GENERAL MARKET									
								75784		SHEET NUMBER									
										2 OF 12									

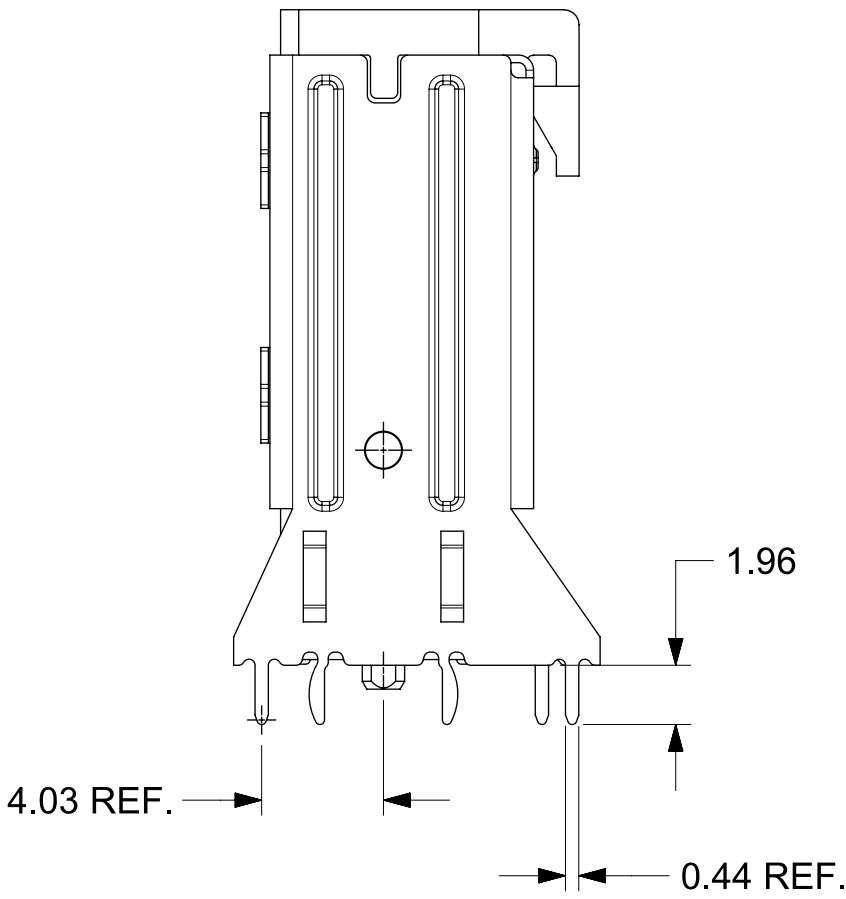
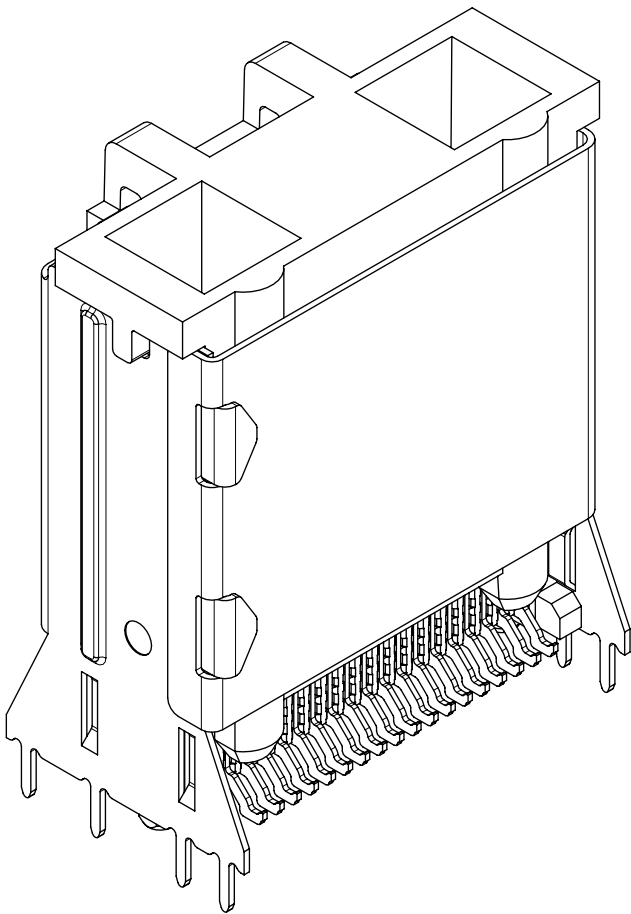
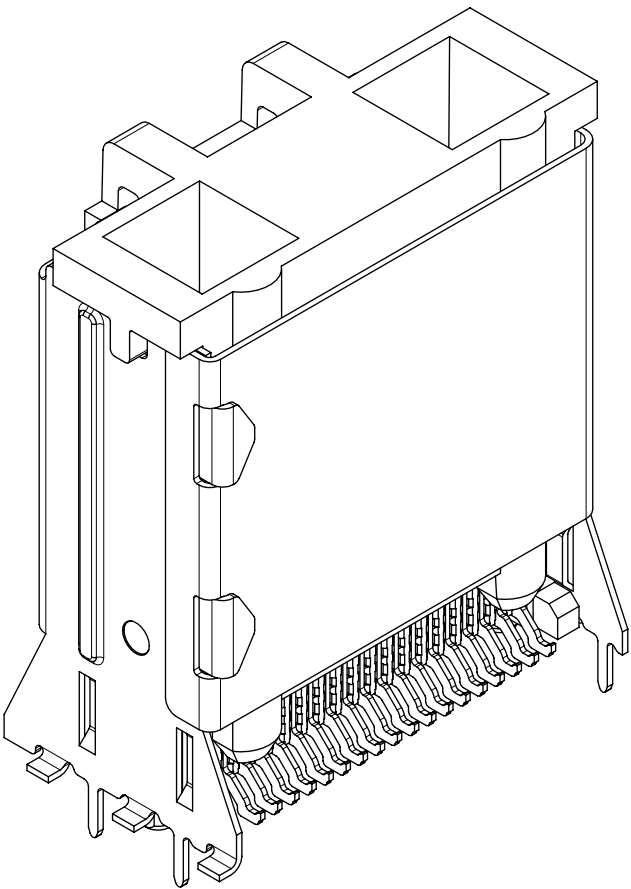
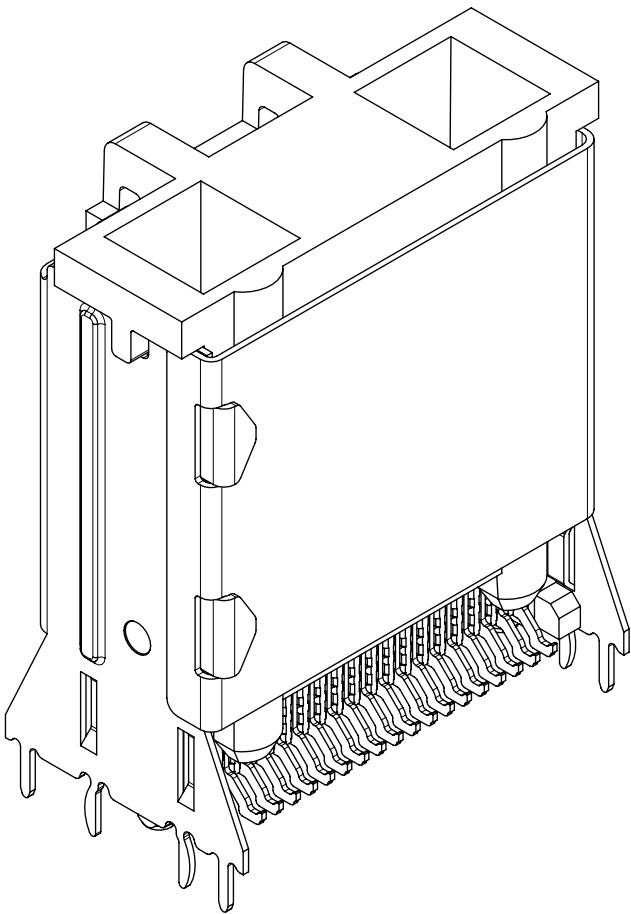
molex

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

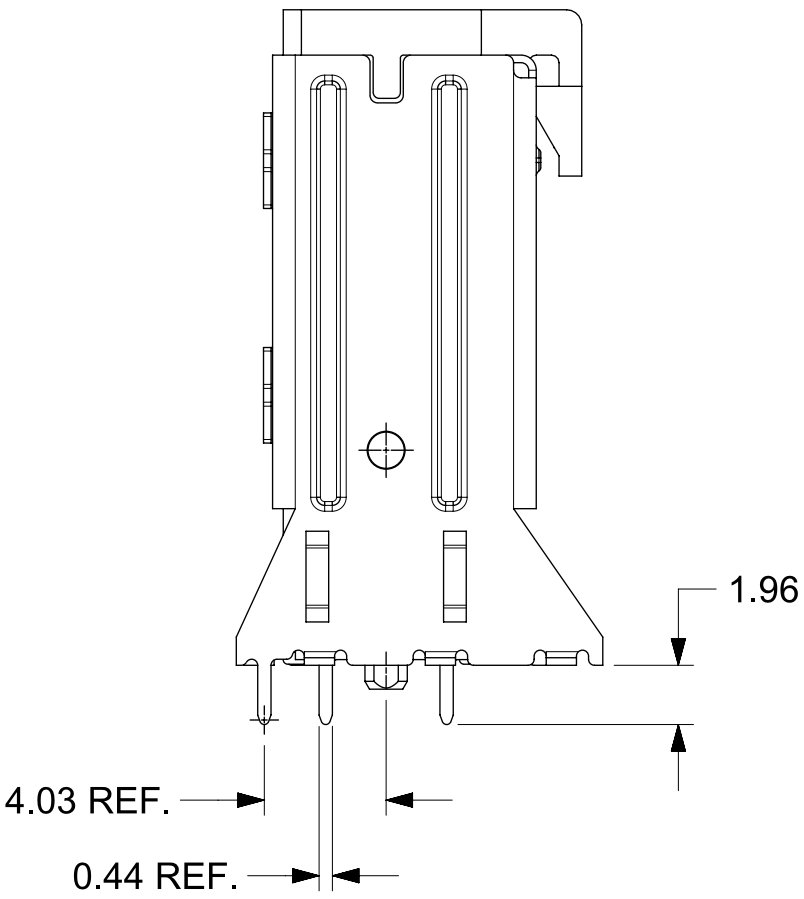
PRODUCT SALES DRAWING

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

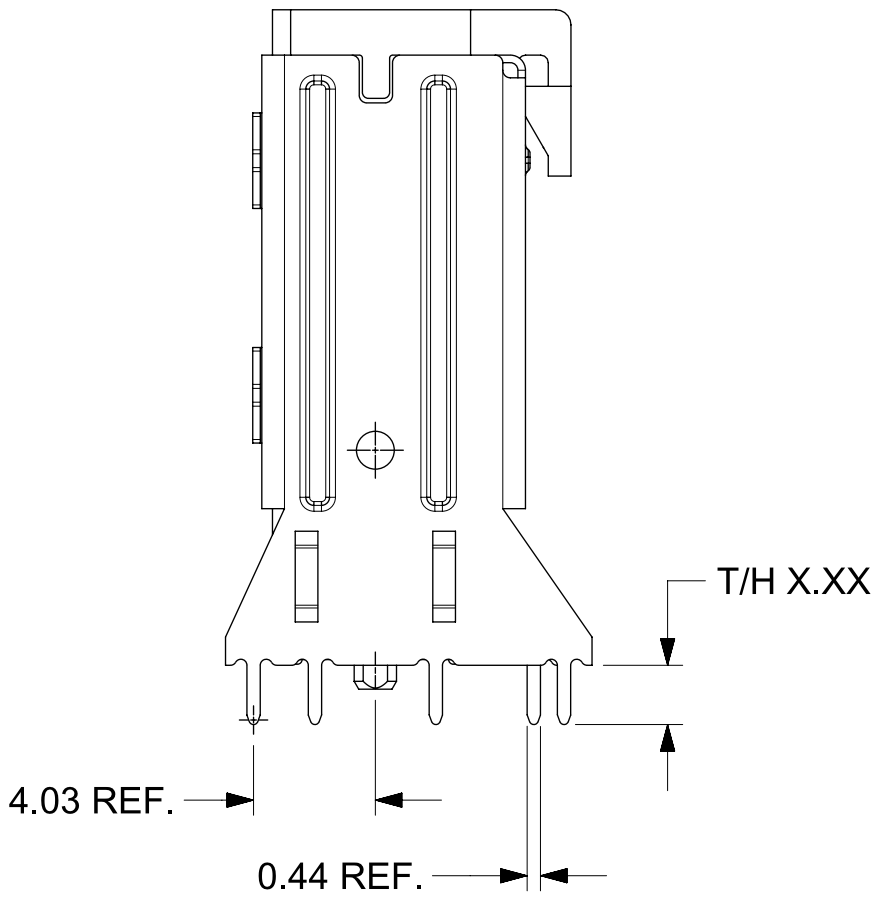
SHELL PCB INTERFACE



RETENTION-FIT
SHELL OPTION



SMT SHELL OPTION



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

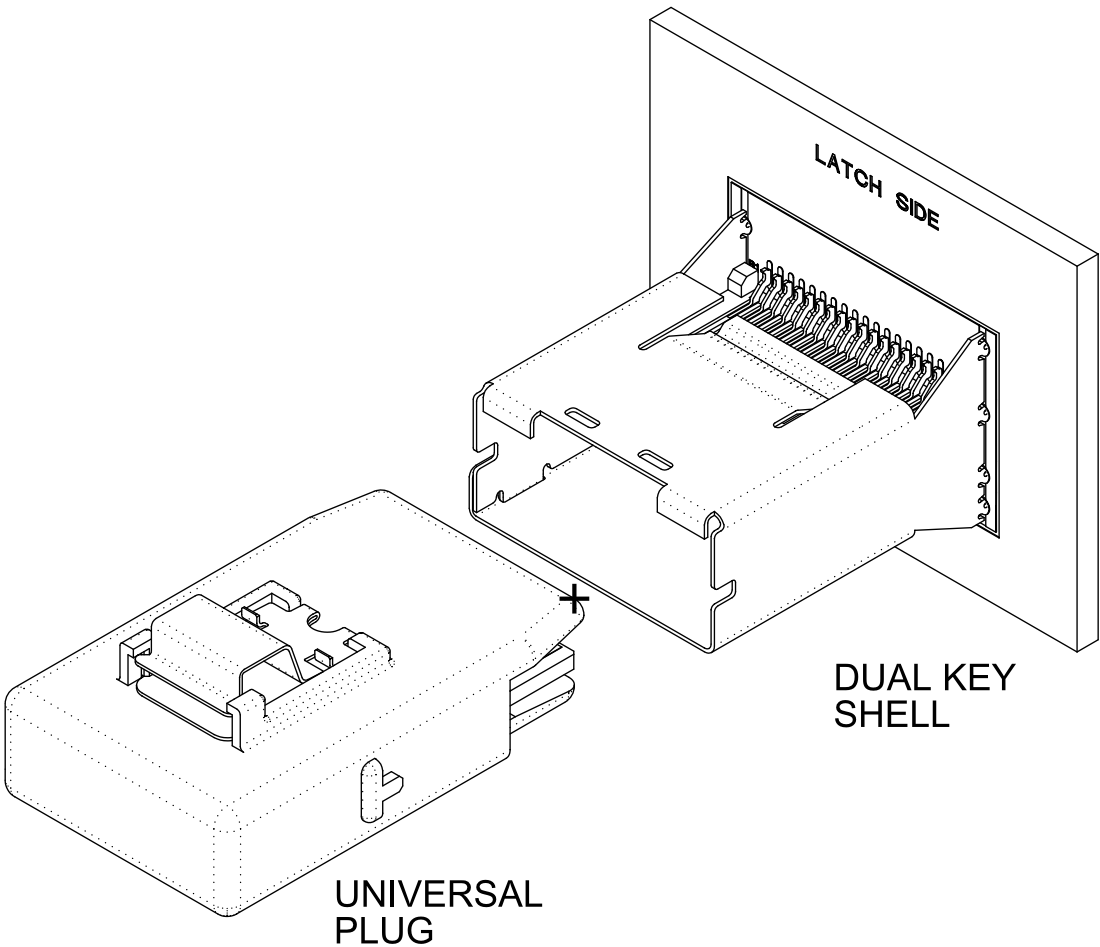
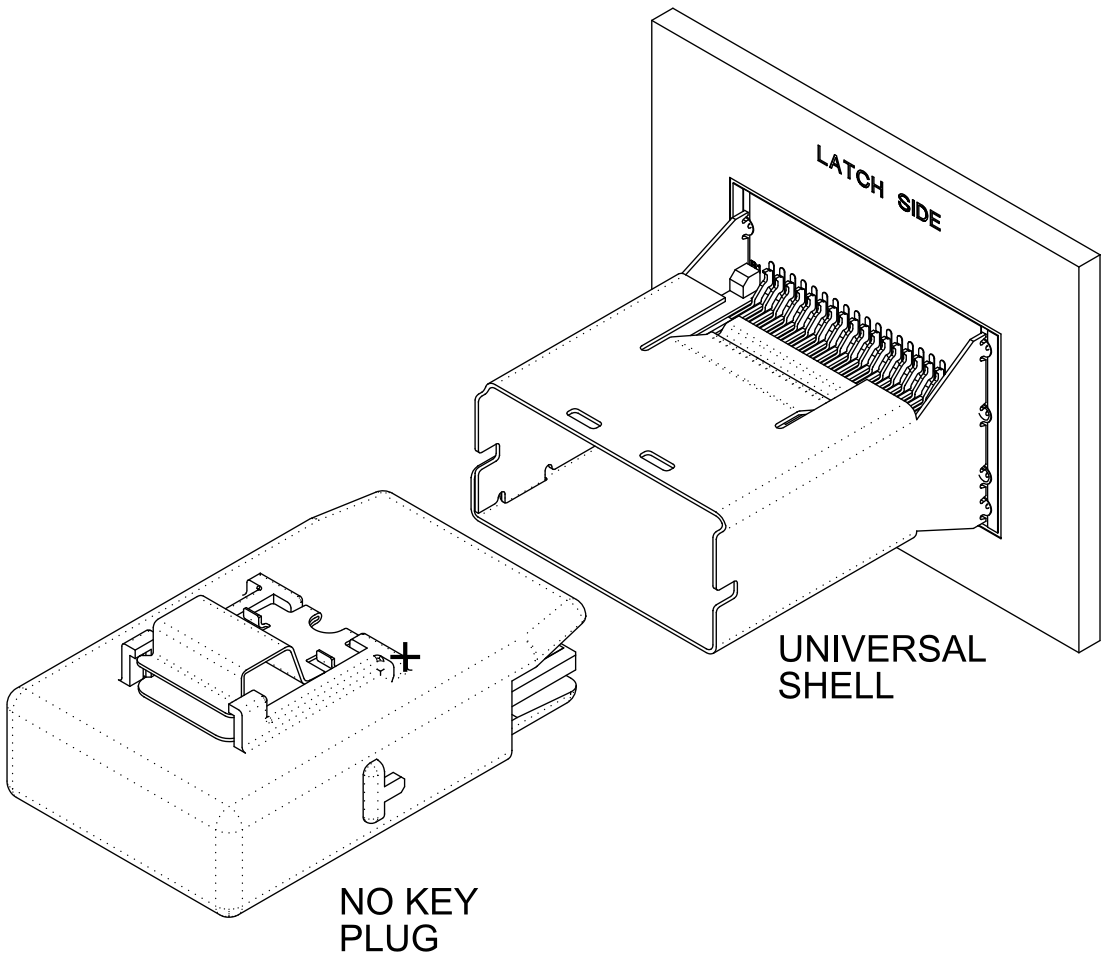
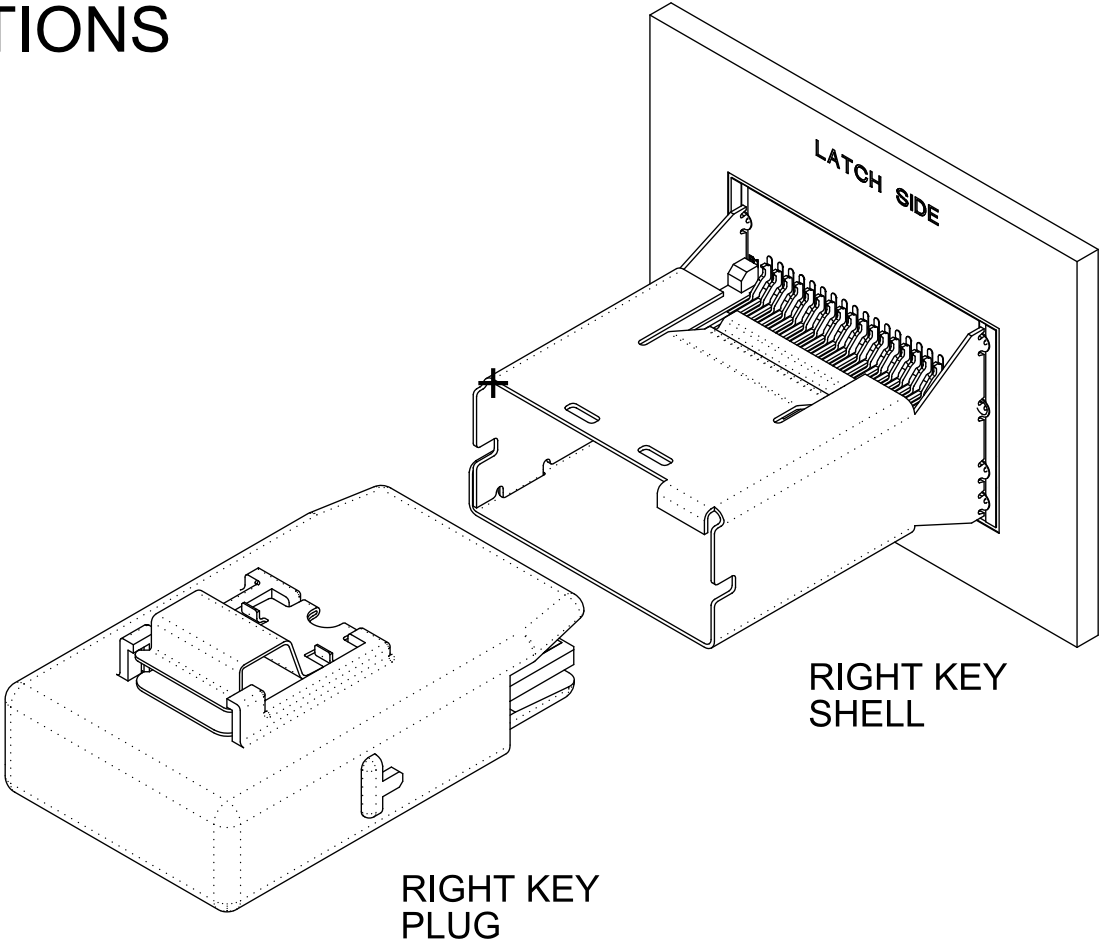
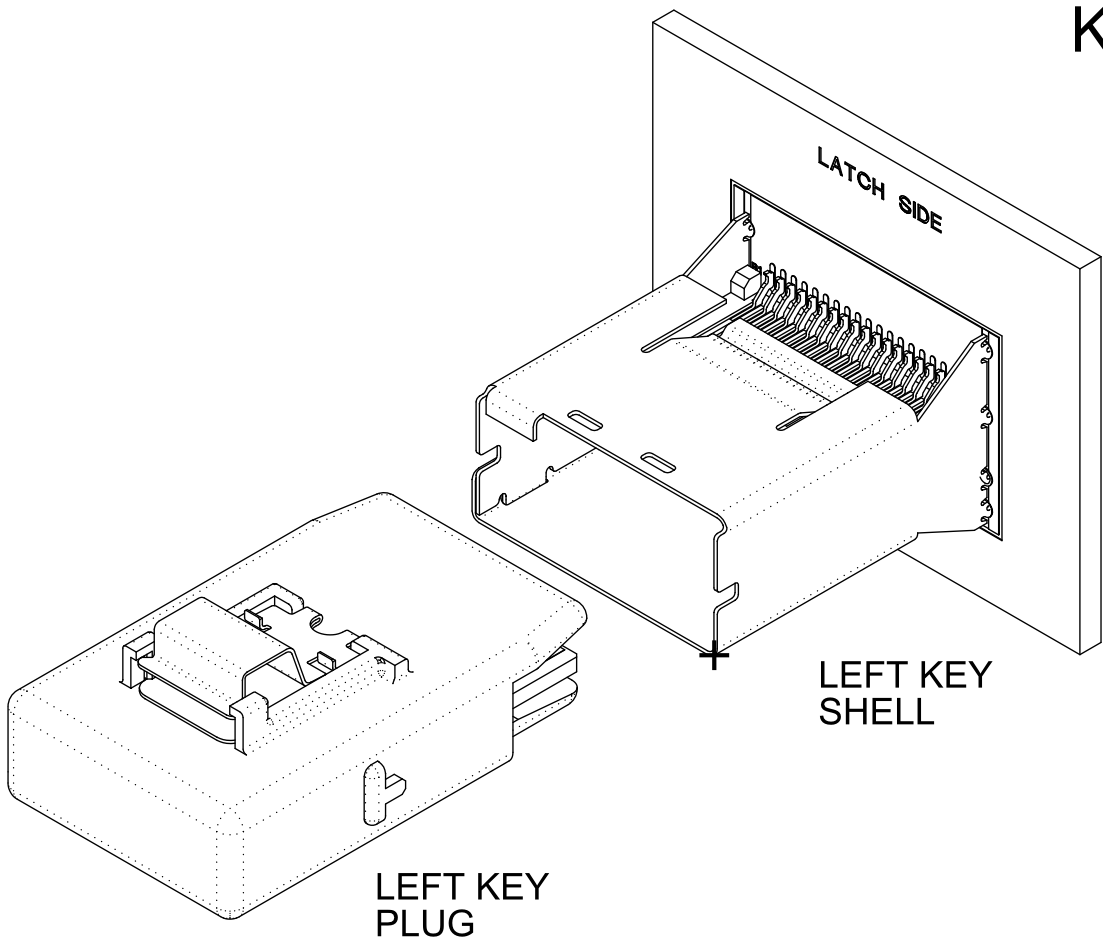
RECOMMENDED PCB THICKNESS FOR SPECIFIED TAIL LENGTH	
TAIL LENGTH	PCB THICKNESS
1.96	1.57 (.062)
2.79	2.36 (.093)
3.18	2.79 (.110)
3.56	3.18 (.125)

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

KEYING OPTIONS



	UNIVERSAL SHELL	LEFT KEY SHELL	RIGHT KEY SHELL	DUAL KEY SHELL
NO KEY PLUG	YES	NO	NO	NO
LEFT KEY PLUG	YES	YES	NO	NO
RIGHT KEY PLUG	YES	NO	YES	NO
UNIVERSAL PLUG	YES	YES	YES	YES

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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		2:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)			STATUS: Production DRWN: Vishal Ramesh Hosur CHK'D: Ganesh Rao B APPR: Gurunandan GA 2024-05-08 2024-05-20 2024-05-20						
ANGULAR TOL		± 0.5°							
4 PLACES		±							
3 PLACES		±							
2 PLACES		± 0.130							
1 PLACE		± 0.25	THIRD ANGLE PROJECTION						
0 PLACES		±							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRAWING		SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER
			C-SIZE		75784	SEE TABLE	GENERAL MARKET		4 OF 12

molex

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

36 CIRCUIT ITEM NUMBERS

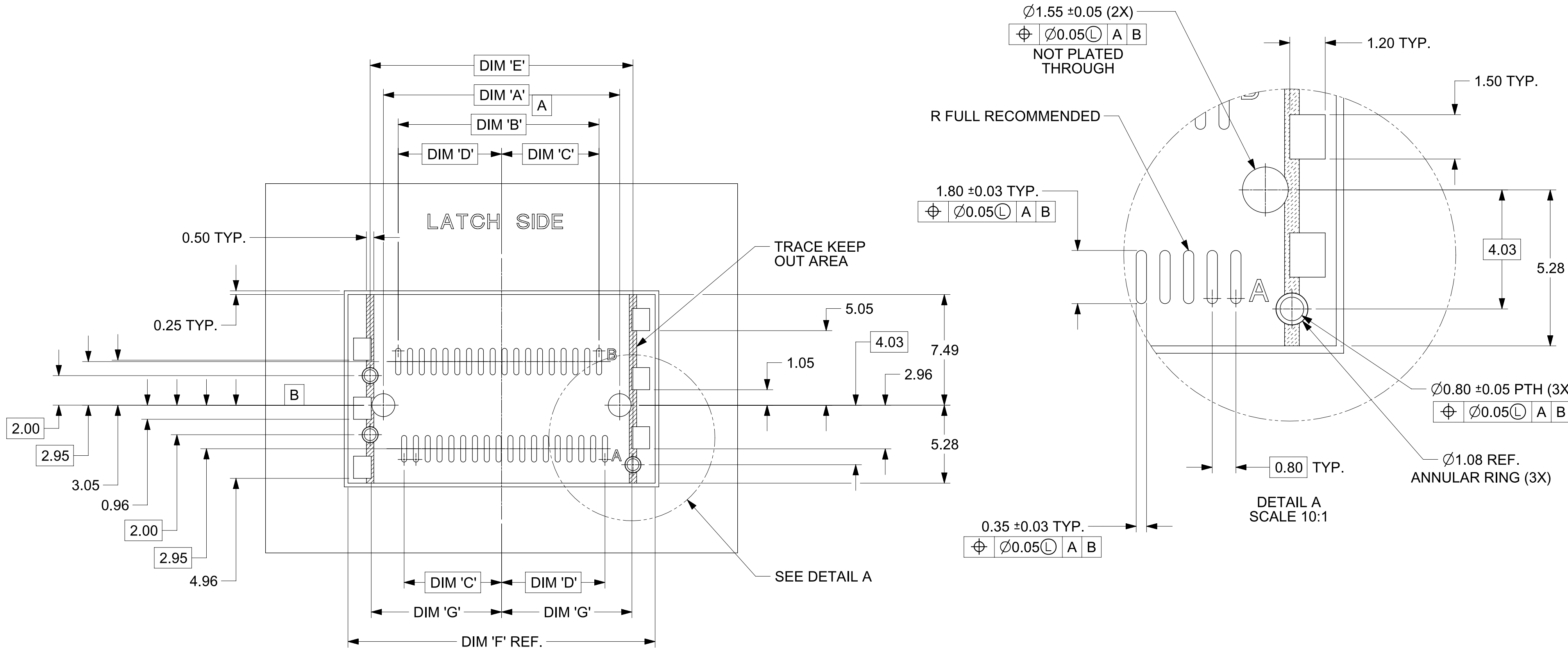
CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
36	75784-0109	OPTION 1	RETENTION	DUAL
36	75784-0111	OPTION 1	SMT	RIGHT
36	75784-0119	OPTION 2	RETENTION	LEFT
36	75784-0120	OPTION 2	RETENTION	RIGHT
36	75784-0126	OPTION 1	SMT	UNIVERSAL
36	75784-0131	OPTION 1	T/H 1.96	DUAL
36	75784-0132	OPTION 1	T/H 1.96	UNIVERSAL
36	75784-0136	OPTION 2	T/H 1.69	UNIVERSAL

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
36	75784-0137	OPTION 1	T/H 2.79	LEFT
36	75784-0138	OPTION 1	T/H 2.79	RIGHT
36	75784-0139	OPTION 1	T/H 2.79	DUAL
36	75784-0140	OPTION 1	T/H 2.79	UNIVERSAL
36	75784-0143	OPTION 2	T/H 2.79	DUAL
36	75784-0144	OPTION 2	T/H 2.79	UNIVERSAL
36	75784-0152	OPTION 2	T/H 3.18	UNIVERSAL
36	75784-0156	OPTION 1	T/H 3.56	UNIVERSAL
36	75784-0159	OPTION 2	T/H 3.56	DUAL
36	75784-0160	OPTION 2	T/H 3.56	UNIVERSAL

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148				molex					
mm		1:1											
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 ±								DOCUMENT NUMBER		DOC TYPE		DOC PART	REVISION
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
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	SHEET NUMBER		
				C-SIZE		75784		SEE TABLE		GENERAL MARKET		5 OF 12	

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

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DIMENSION UNITS	SCALE
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	

CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148

STATUS: Production

DRWN: Vishal Ramesh Hosur

CHK'D: Ganesh Rao B

APPR: Gurunandan GA

2024-05-08

2024-05-20

2024-05-20

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

C-SIZE

75784

SEE TABLE

GENERAL MARKET

9 OF 12

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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

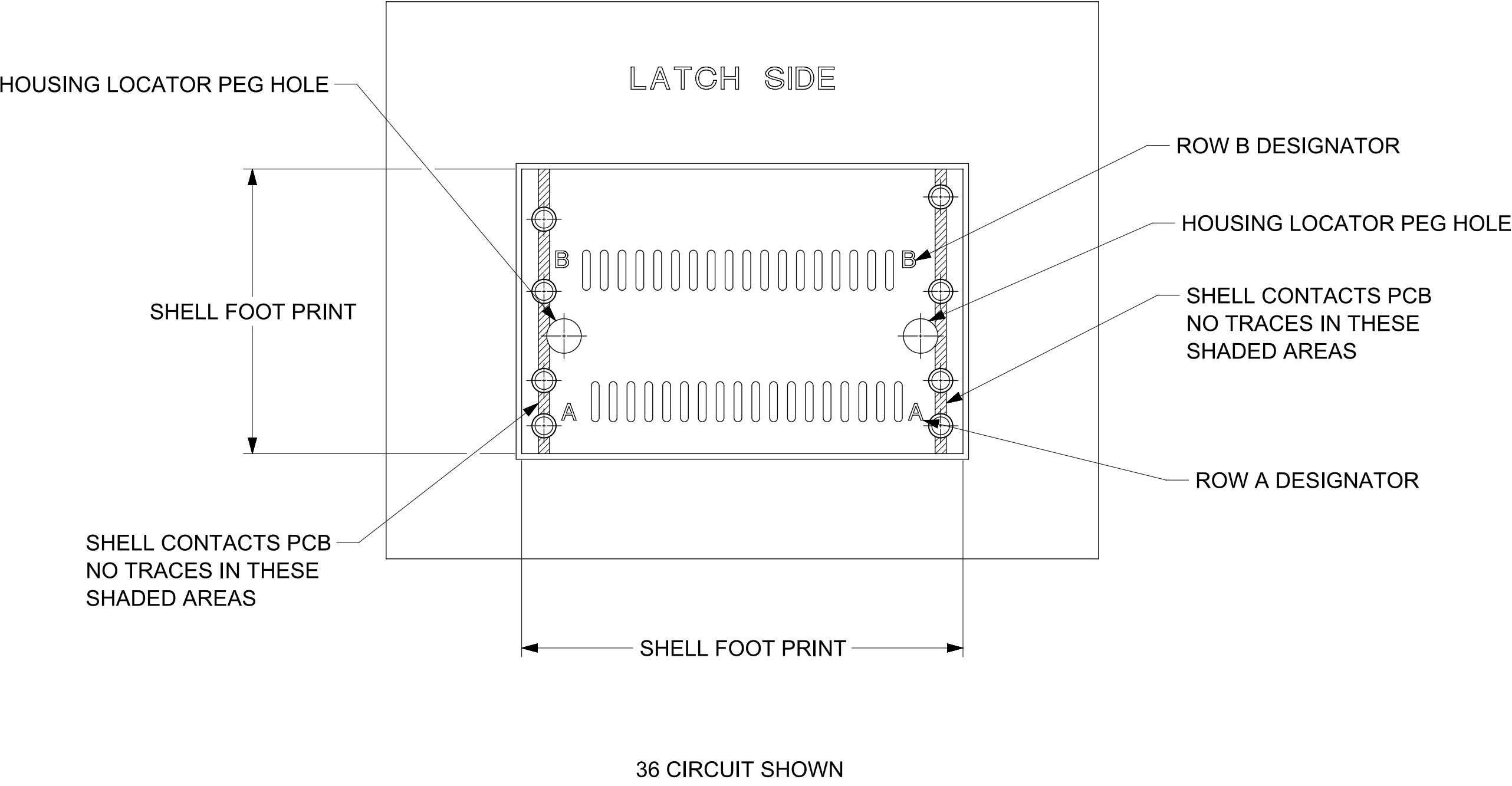
SD-75784-001

PSD

001

D9

VERTICAL CONNECTOR WITH SHELL
PCB FOOT PRINT DESCRIPTIONS



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mm		5:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)			STATUS: Production DRWN: Vishal Ramesh Hosur 2024-05-08 CHK'D: Ganesh Rao B 2024-05-20 APPR: Gurunandan GA 2024-05-20						
ANGULAR TOL		± 0.5°							
4 PLACES		±							
3 PLACES		±							
2 PLACES		± 0.130							
1 PLACE		± 0.25	PRODUCT SALES DRAWING						
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	10 OF 12	
						DOCUMENT NUMBER		DOC TYPE	DOC PART
						SD-75784-001		PSD	001
									D9

FORMAT: TC-4b-prod-G