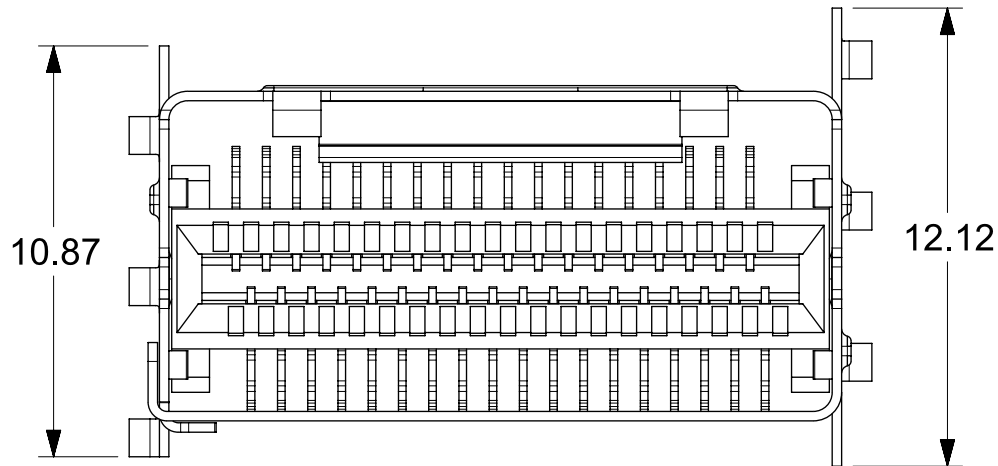
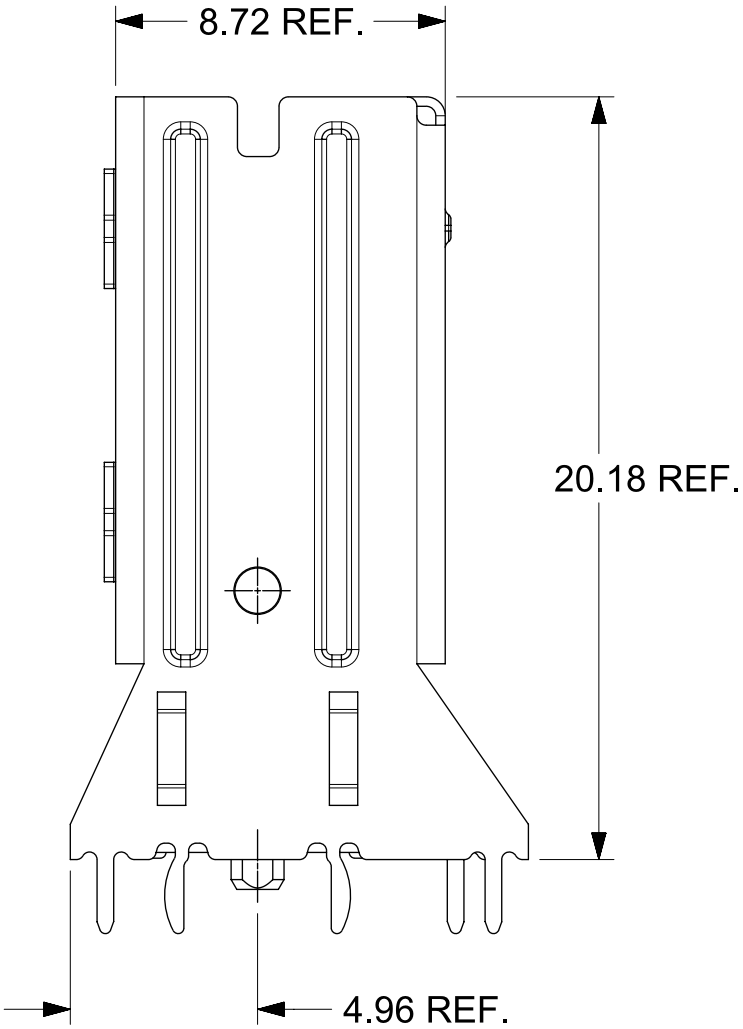
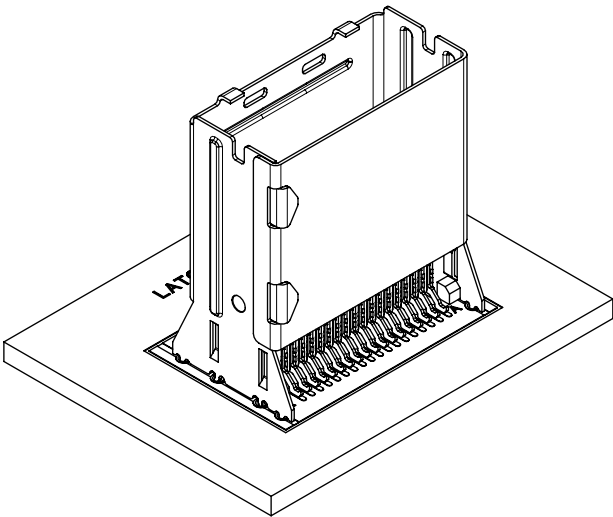
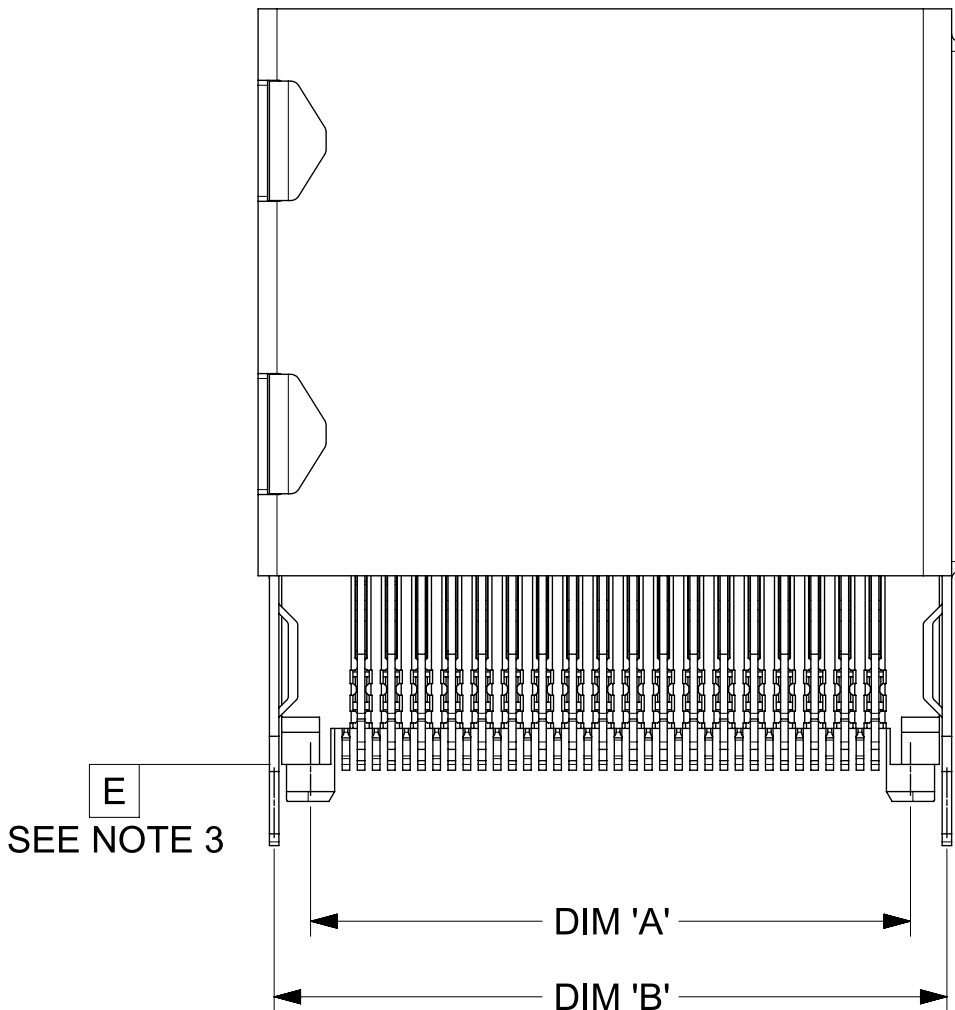
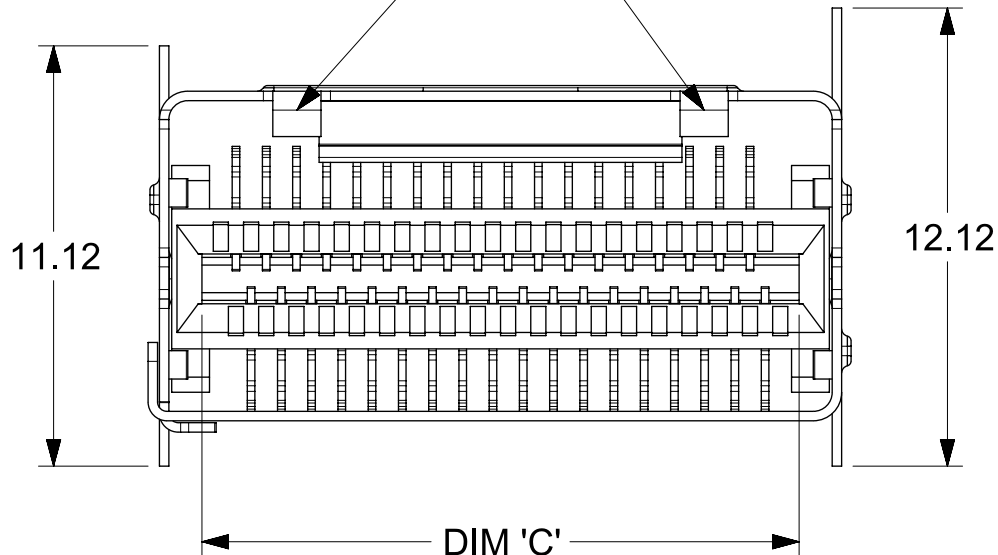


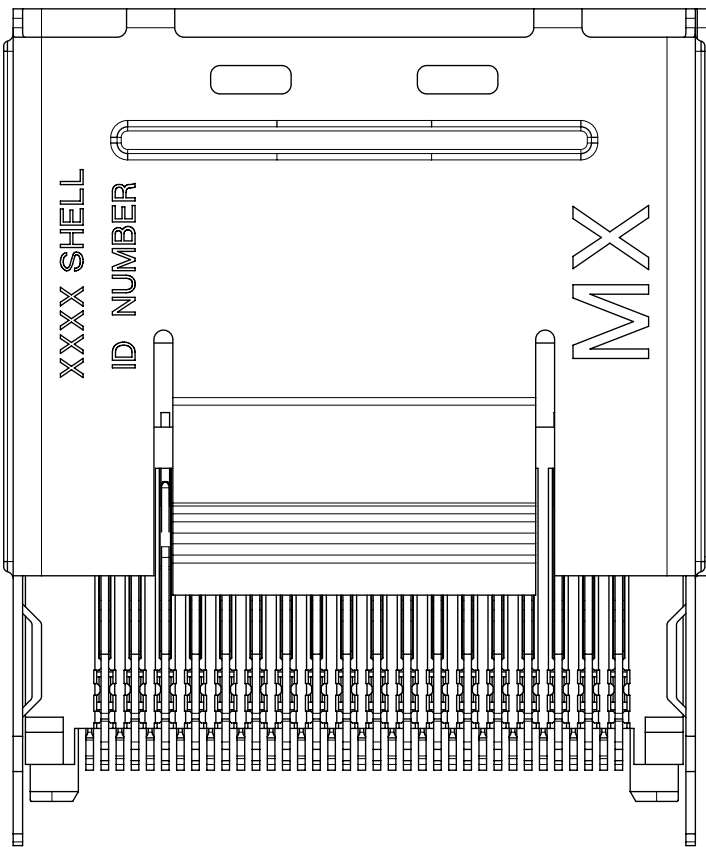


SMT

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		±													
3 PLACES		±		PRODUCT SALES DRAWING											
2 PLACES		± 0.130													
1 PLACE		± 0.25													
0 PLACES		±		STATUS: Production		DRWN: Vishal Ramesh Hosur 2024-05-08		DOC NUMBER		DOC TYPE	DOC PART	REVISION			
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	

12 11 10 9 8 7 6 5 4 3 2 1

H

G

F

E

D

C

B

A

ASSEMBLY WITH PRE-POSITIONING DEVICE

PICK & PLACE NOZZLE AREA

5.95 REF.

DIM 'D' REF.

21.68 REF.

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	

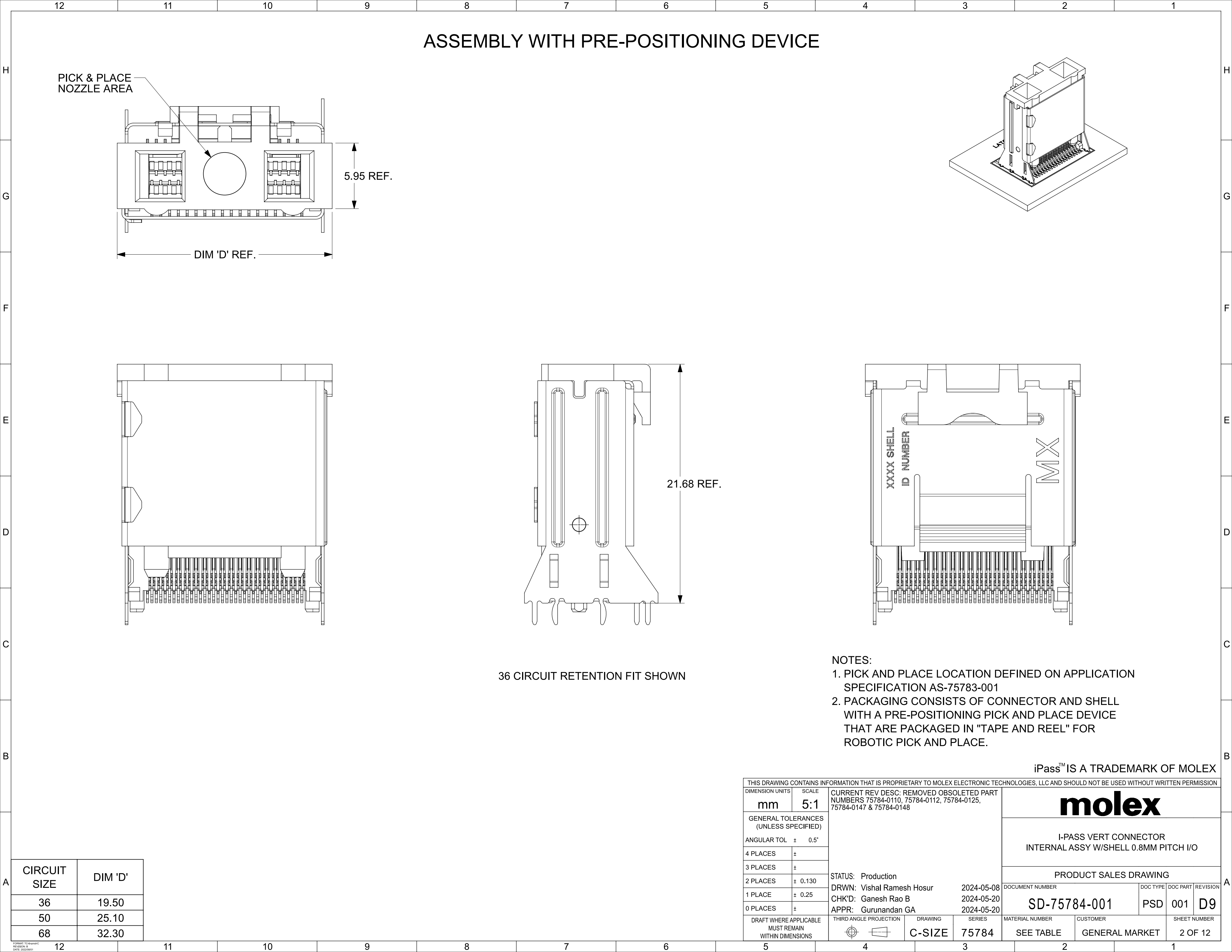
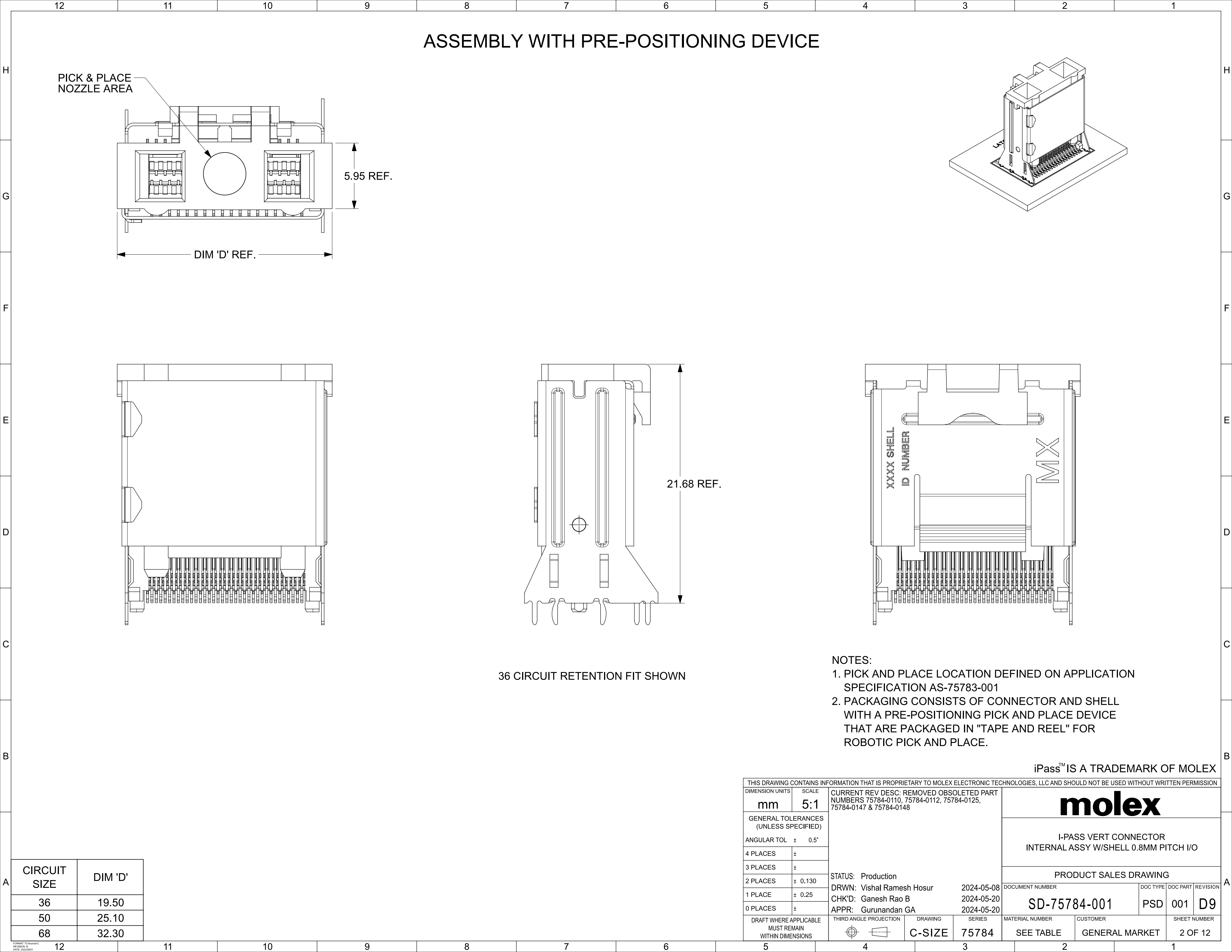
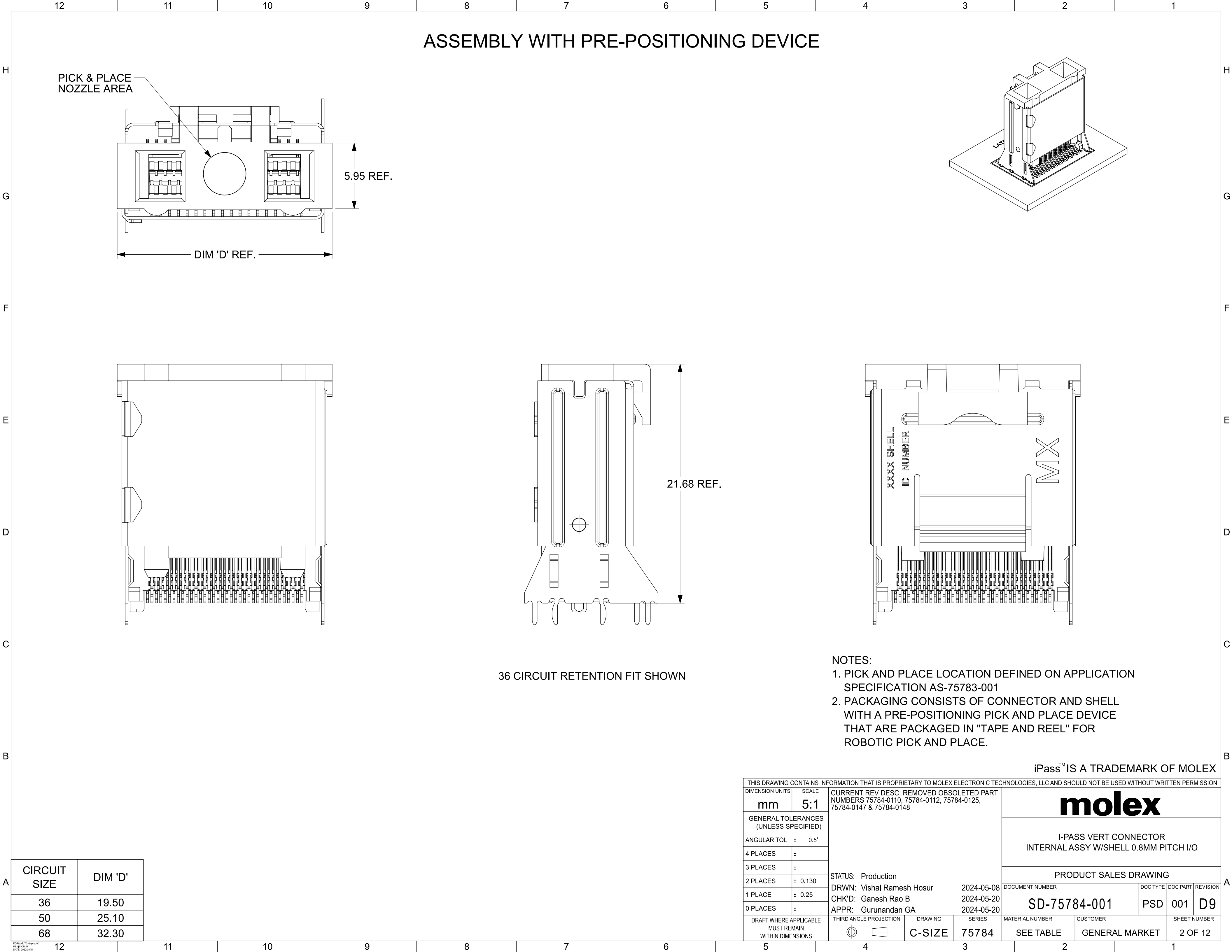
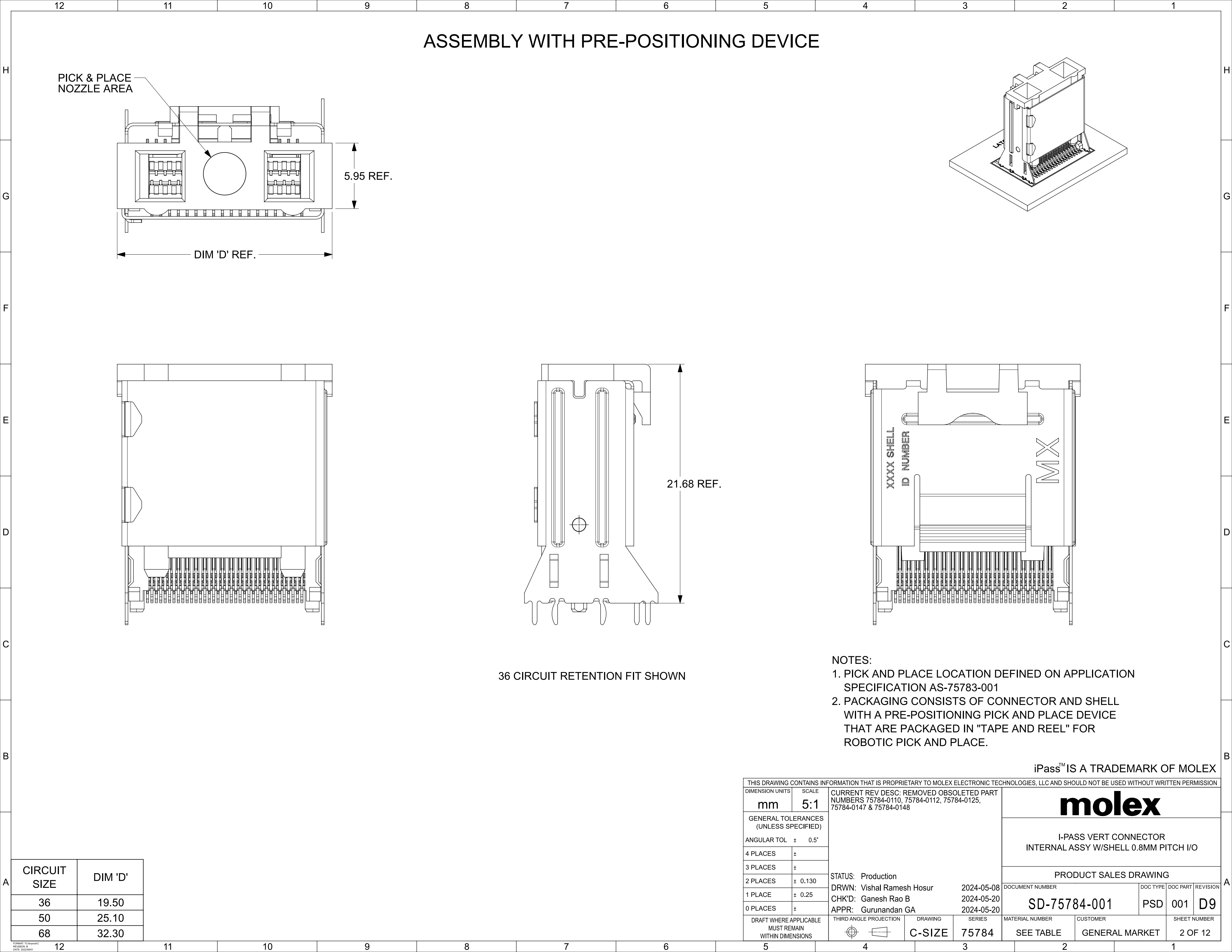
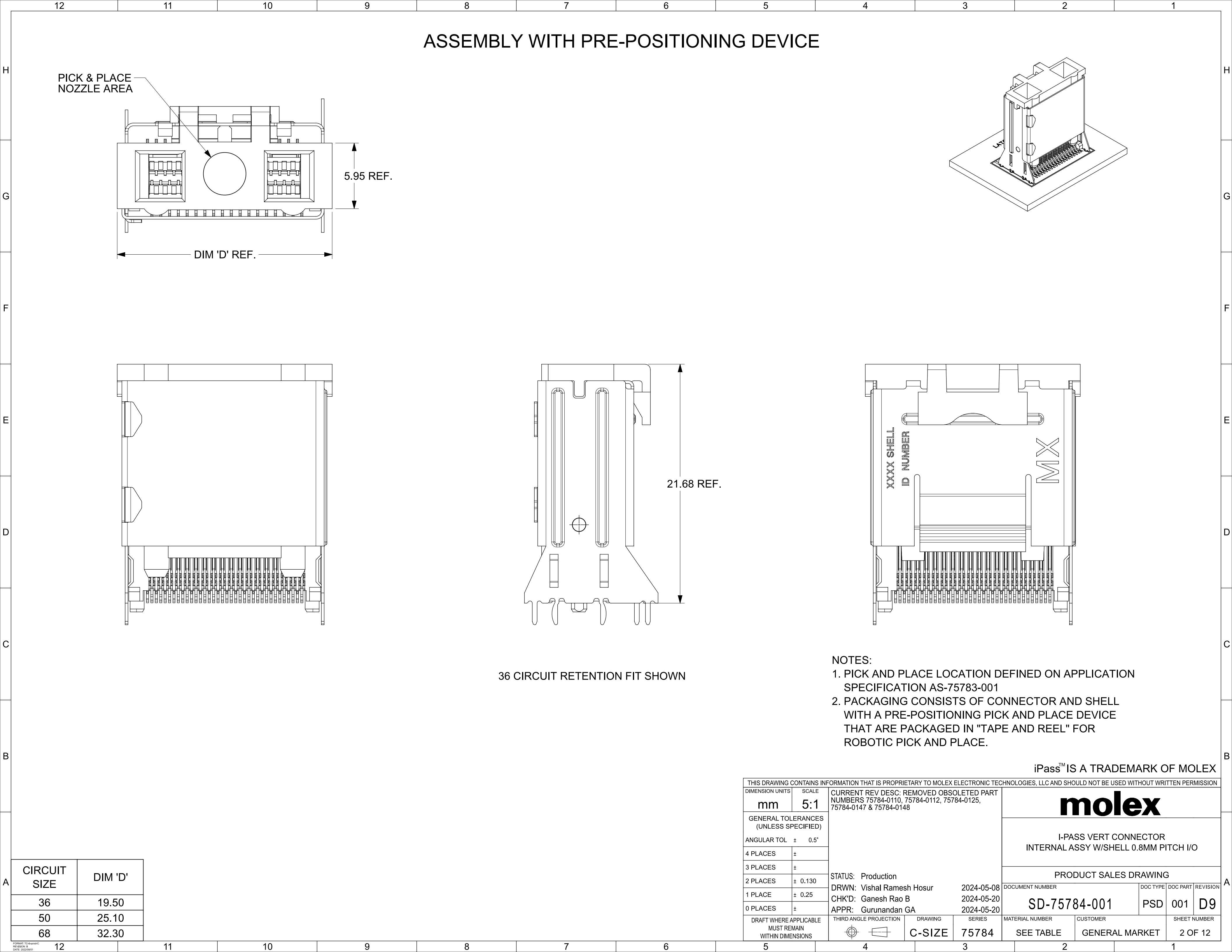
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
DIMENSION UNITS	SCALE
mm	5:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 0.5°
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.130
1 PLACE	± 0.25
0 PLACES	±
DRAFT 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:	2024-05-08
CHK'D:	2024-05-20
APPR:	2024-05-20
THIRD ANGLE PROJECTION	
DRAWING	SERIES
C-SIZE	75784

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	2 OF 12	

moLEX

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



12 11 10 9 8 7 6 5 4 3 2 1

H

G

F

E

D

C

B

A

ASSEMBLY WITH PRE-POSITIONING DEVICE

PICK & PLACE NOZZLE AREA

5.95 REF.

DIM 'D' REF.

21.68 REF.

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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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148				molex						
mm		5:1		STATUS: Production DRWN: Vishal Ramesh Hosur 2024-05-08 CHK'D: Ganesh Rao B 2024-05-20 APPR: Gurunandan GA 2024-05-20				I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O						
GENERAL TOLERANCES (UNLESS SPECIFIED)														
ANGULAR TOL ± 0.5°														
4 PLACES ±														
3 PLACES ±														
2 PLACES ± 0.130				PRODUCT SALES DRAWING				DOCUMENT NUMBER				DOC TYPE	DOC PART	REVISION
1 PLACE ± 0.25								SD-75784-001				PSD	001	D9
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		2 OF 12				

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

FORMAT T01-000-001

12 11 10 9 8 7 6 5 4 3 2 1

ASSEMBLY WITH PRE-POSITIONING DEVICE

PICK & PLACE
NOZZLE AREA

DIM 'D' REF.

5.95 REF.

21.68 REF.

XXXX SHELL
ID NUMBER

XXM

CIRCUIT SIZE

DIM 'D'

3619.50

5025.10

6832.30

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DIMENSION UNITSmmSCALE5:1

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

C-SIZE

SERIES 75784

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

PRODUCT SALES DRAWING

DOCUMENT NUMBER SD-75784-001

DOC TYPE PSD

DOC PART 001

REVISION D9

MATERIAL NUMBER SEE TABLE

CUSTOMER GENERAL MARKET

SHEET NUMBER 2 OF 12

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molex

NOTES:

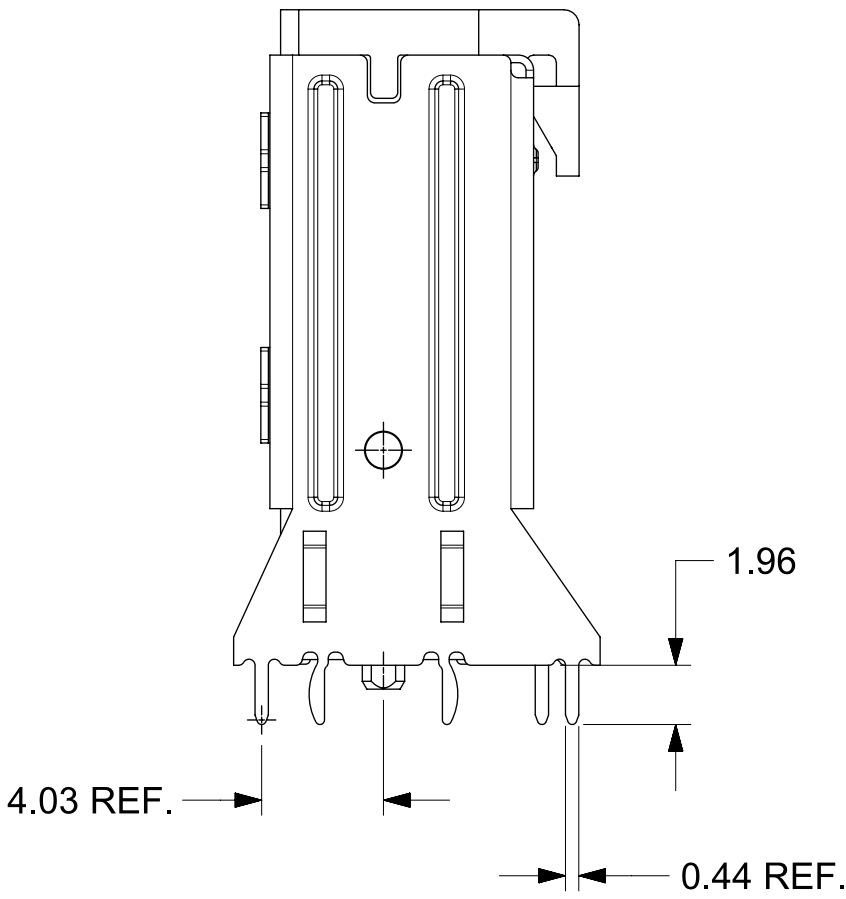
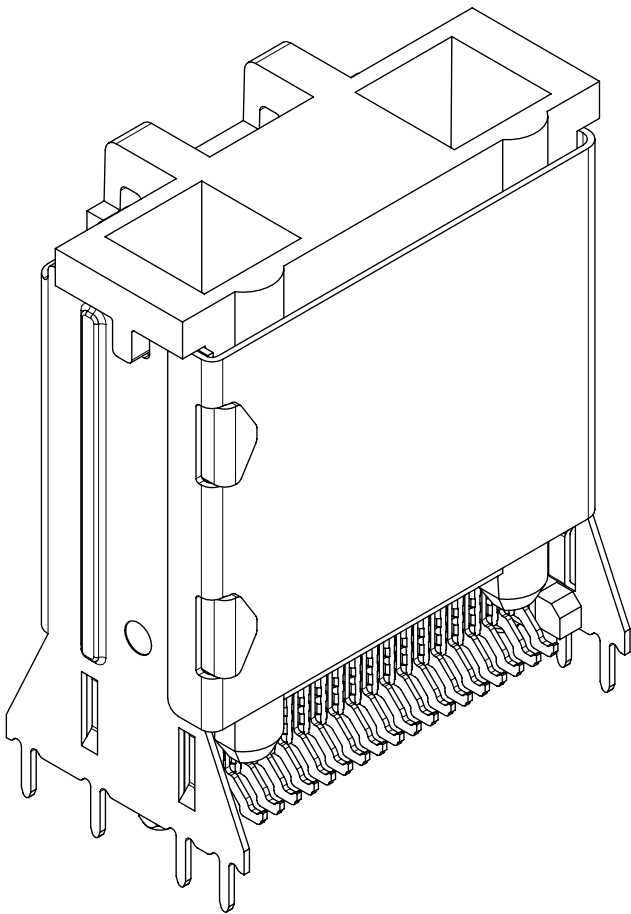
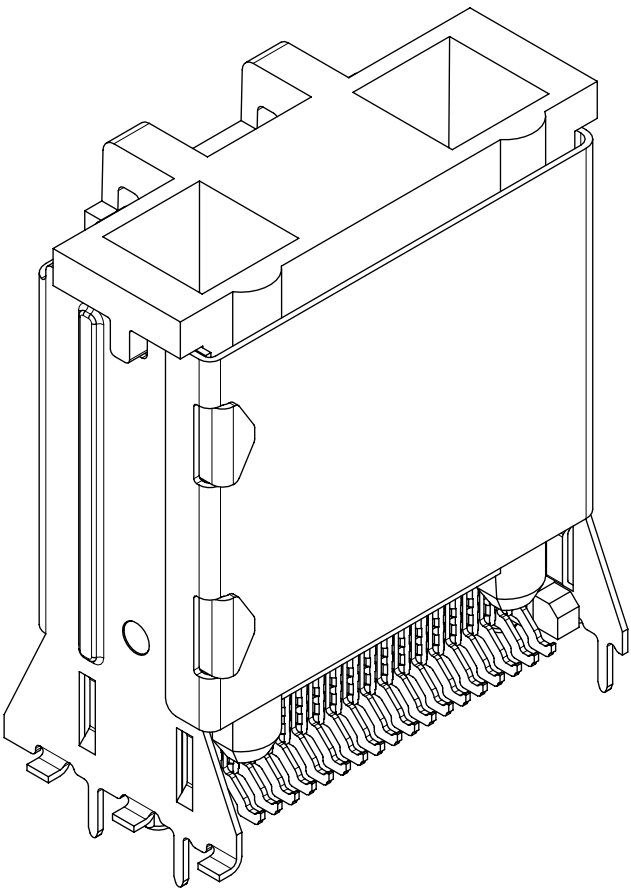
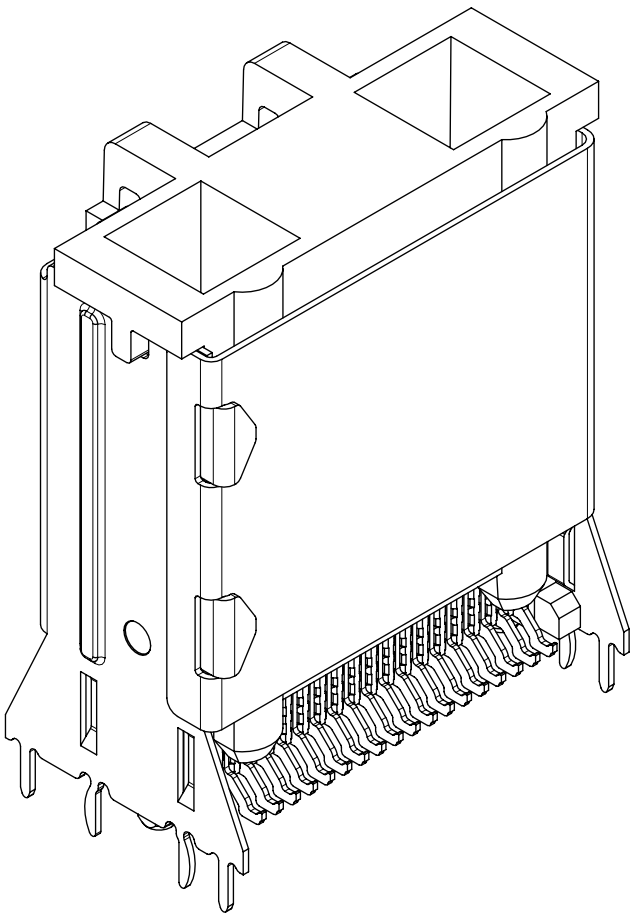
1. PICK AND PLACE LOCATION DEFINED ON APPLICATION SPECIFICATION AS-75783-001

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.

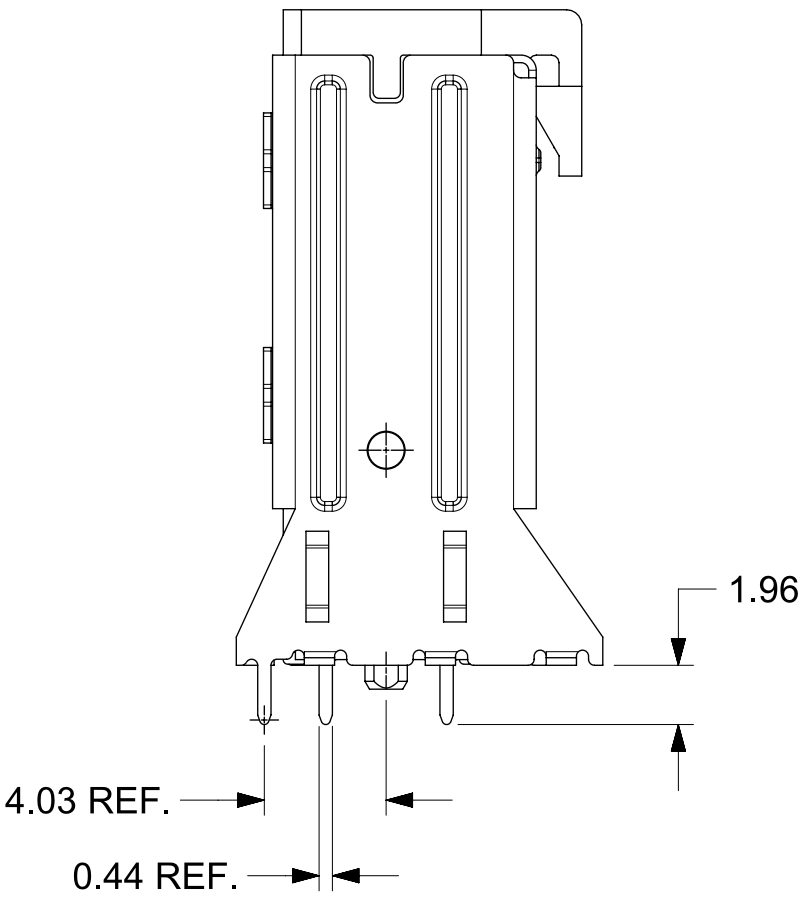
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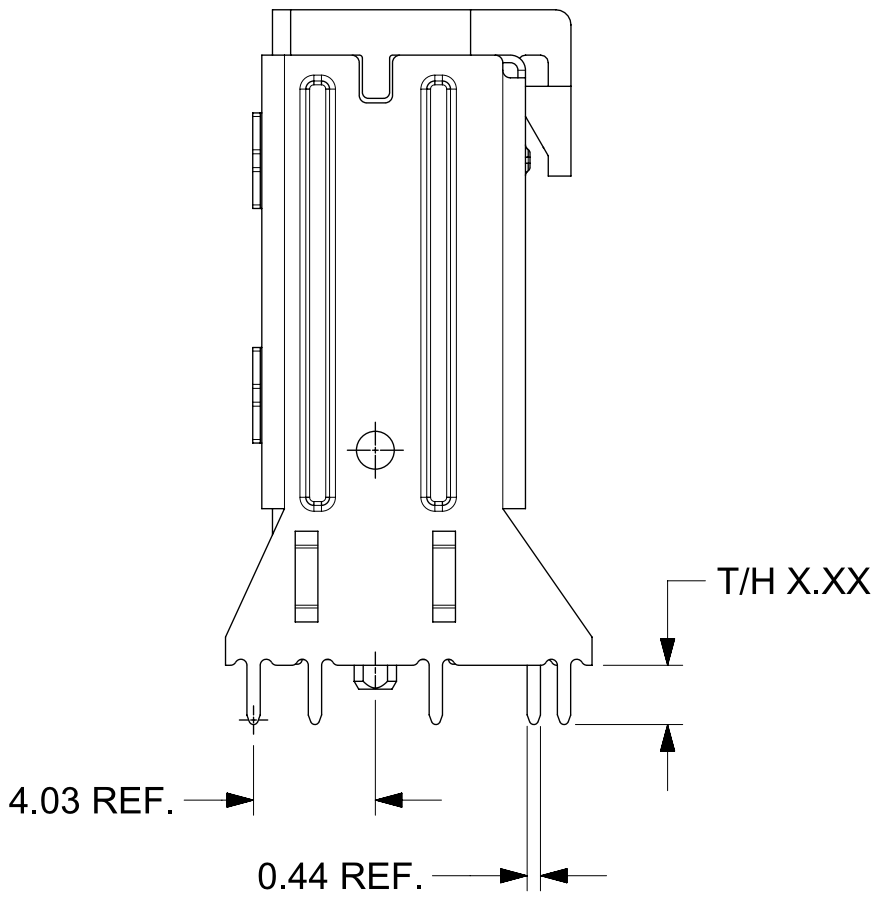
SHELL PCB INTERFACE



RETENTION-FIT
SHELL OPTION



SMT SHELL OPTION

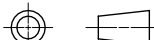


THRU-HOLE SHELL OPTION
SEE TABLE FOR LENGTH
(X.XX DENOTES LENGTH)

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		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		DOC TYPE		DOC PART		REVISION					
3 PLACES		±		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	
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		3 OF 12	

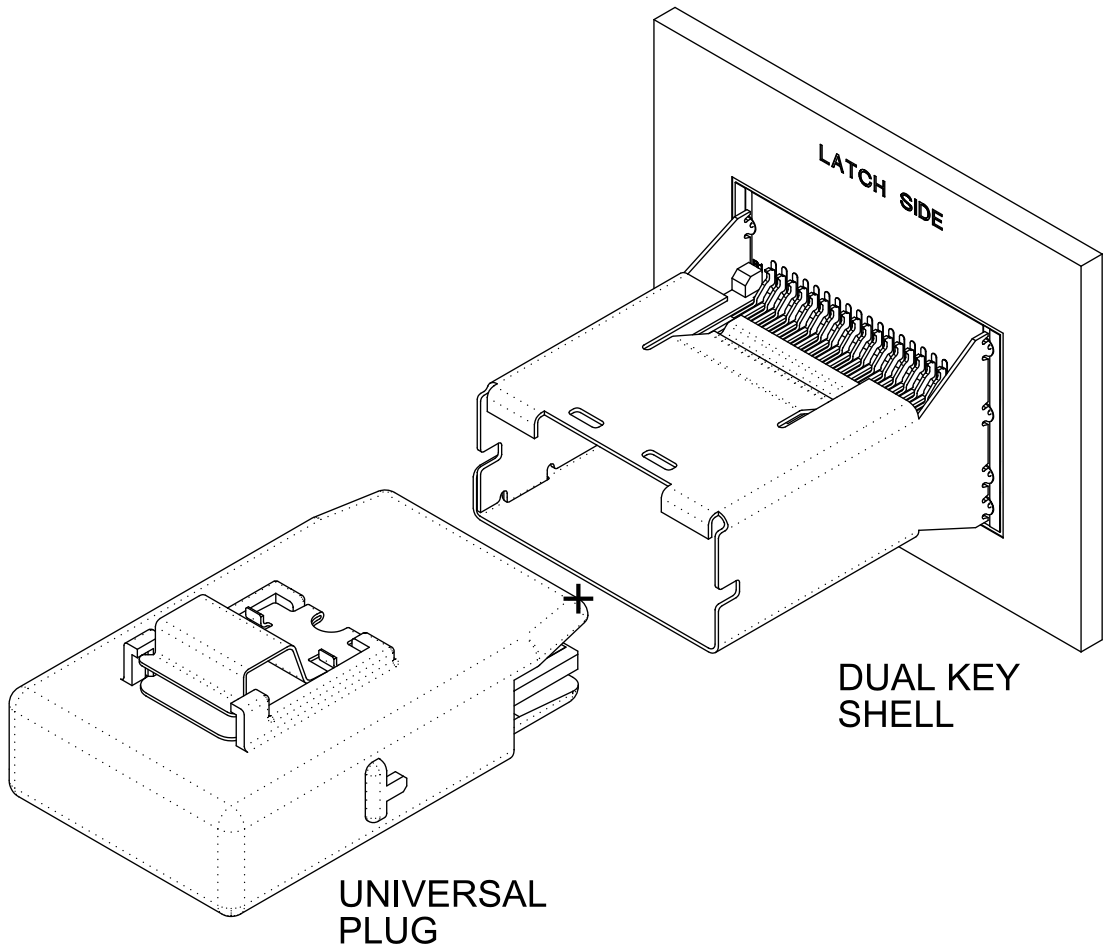
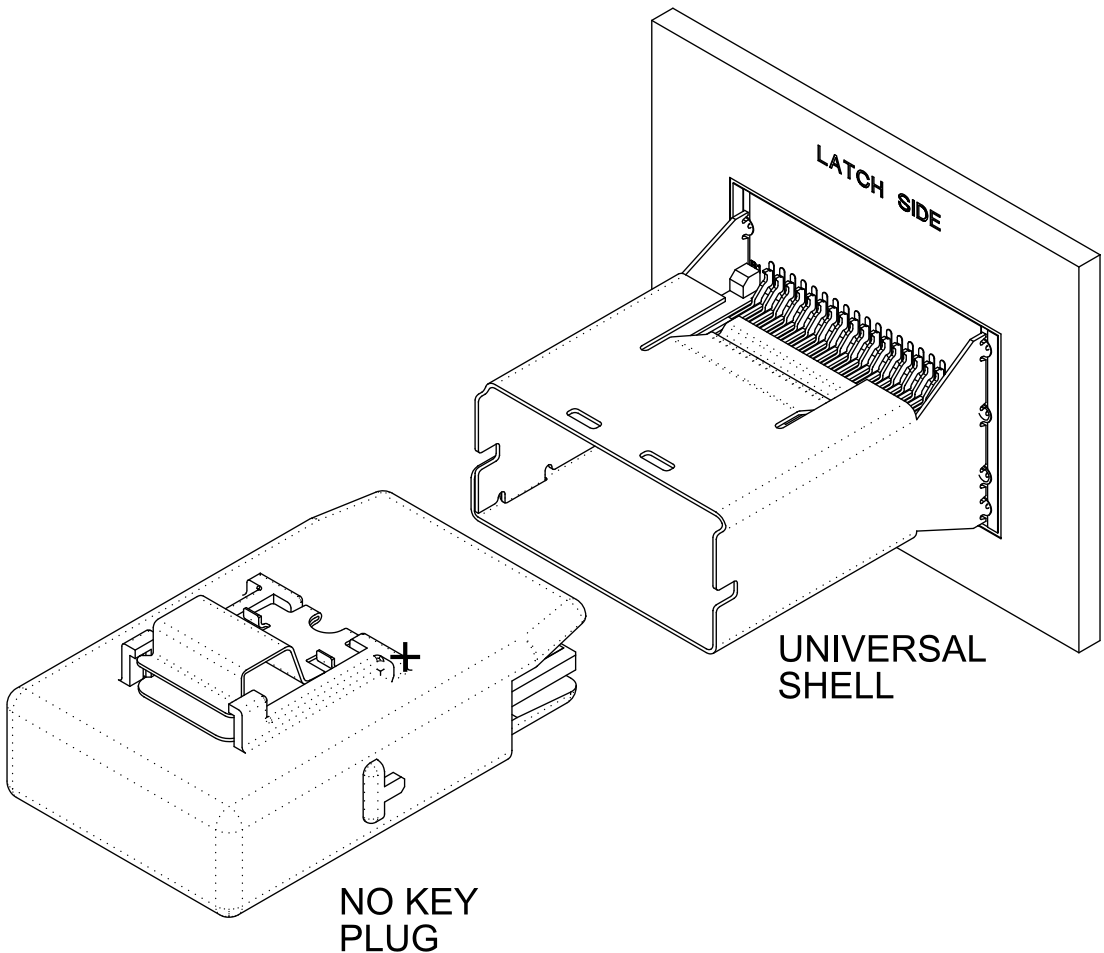
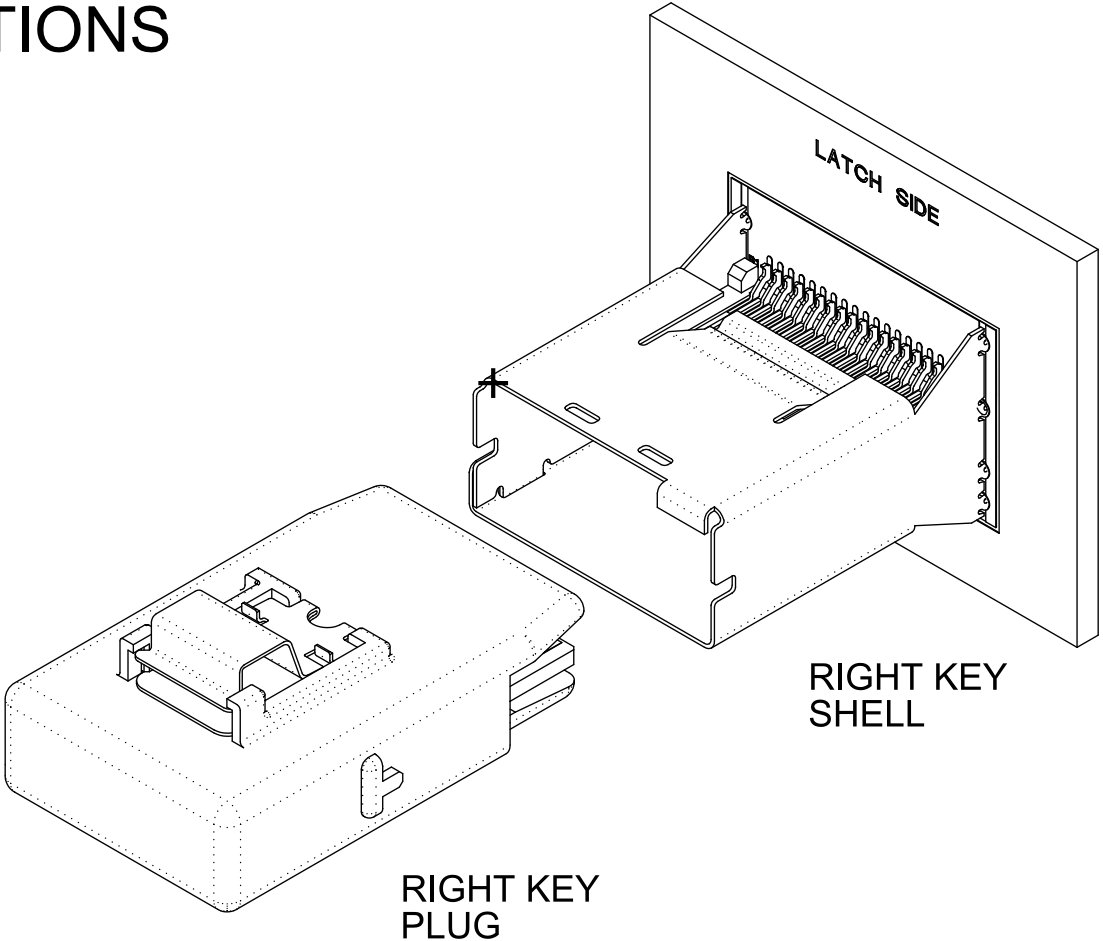
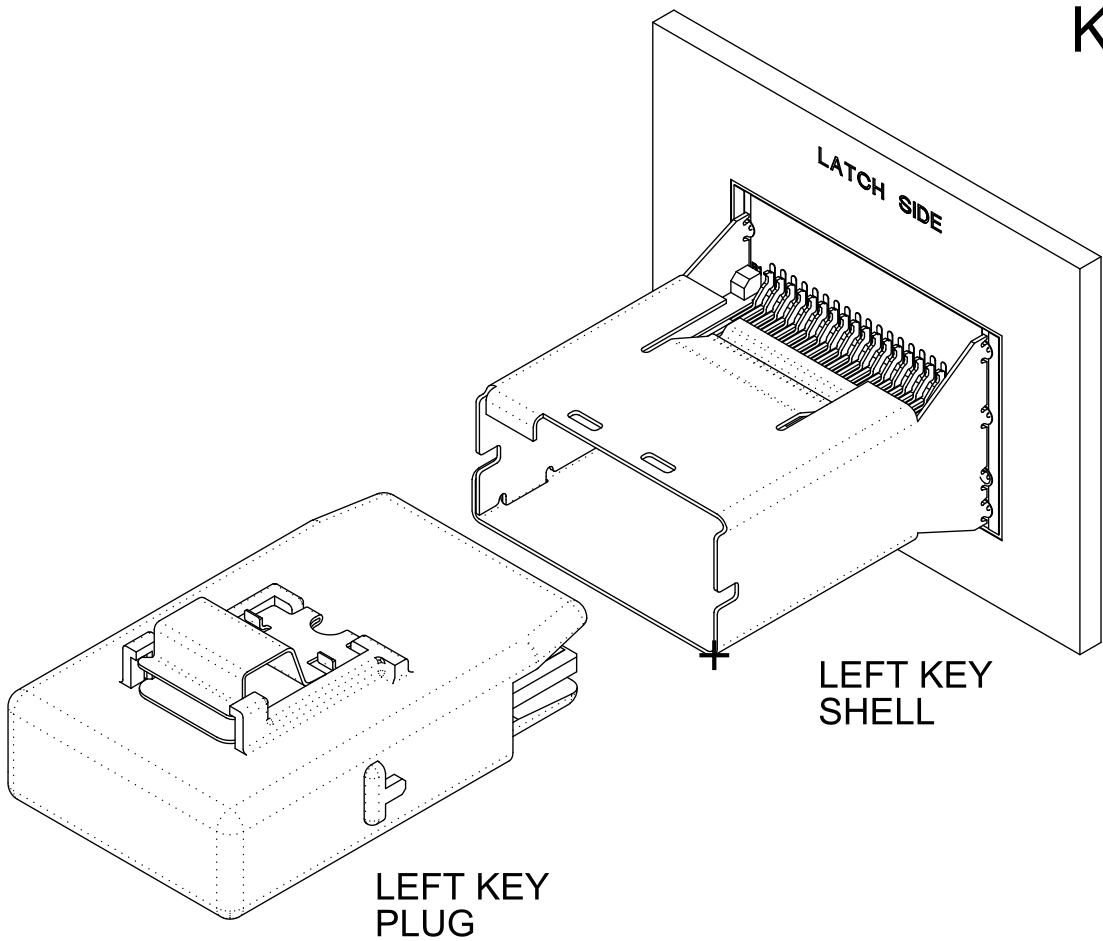
molex

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

PRODUCT SALES DRAWING

SD-75784-001 PSD 001 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 mm		SCALE 2:1		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°											
4 PLACES ±											
3 PLACES ±				STATUS: Production DRWN: Vishal Ramesh Hosur CHK'D: Ganesh Rao B APPR: Gurunandan GA				2024-05-08			
2 PLACES ± 0.130								2024-05-20			
1 PLACE ± 0.25								2024-05-20			
0 PLACES ±				THIRD ANGLE PROJECTION				DRAWING C-SIZE		SERIES 75784	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING C-SIZE		SERIES 75784		MATERIAL NUMBER SEE TABLE	
								CUSTOMER GENERAL MARKET		SHEET NUMBER 4 OF 12	

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

PRODUCT SALES DRAWING

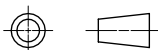
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-75784-001	PSD	001	D9

36 CIRCUIT ITEM NUMBERS

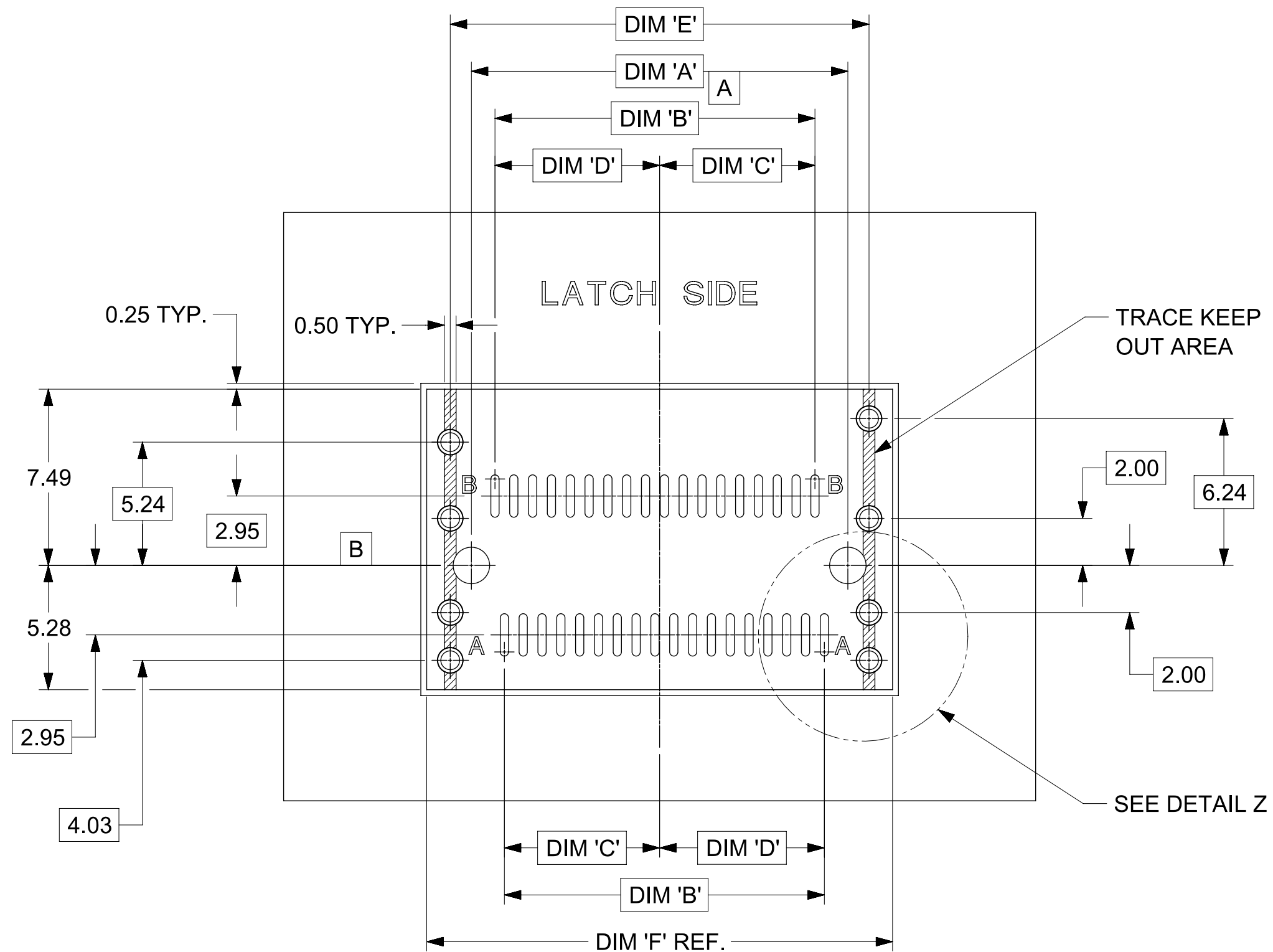
CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
36	75784-0109	OPTION 1	RETENTION	DUAL
36	75784-0111	OPTION 1	SMT	RIGHT
36	75784-0119	OPTION 2	RETENTION	LEFT
36	75784-0120	OPTION 2	RETENTION	RIGHT
36	75784-0126	OPTION 1	SMT	UNIVERSAL
36	75784-0131	OPTION 1	T/H 1.96	DUAL
36	75784-0132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

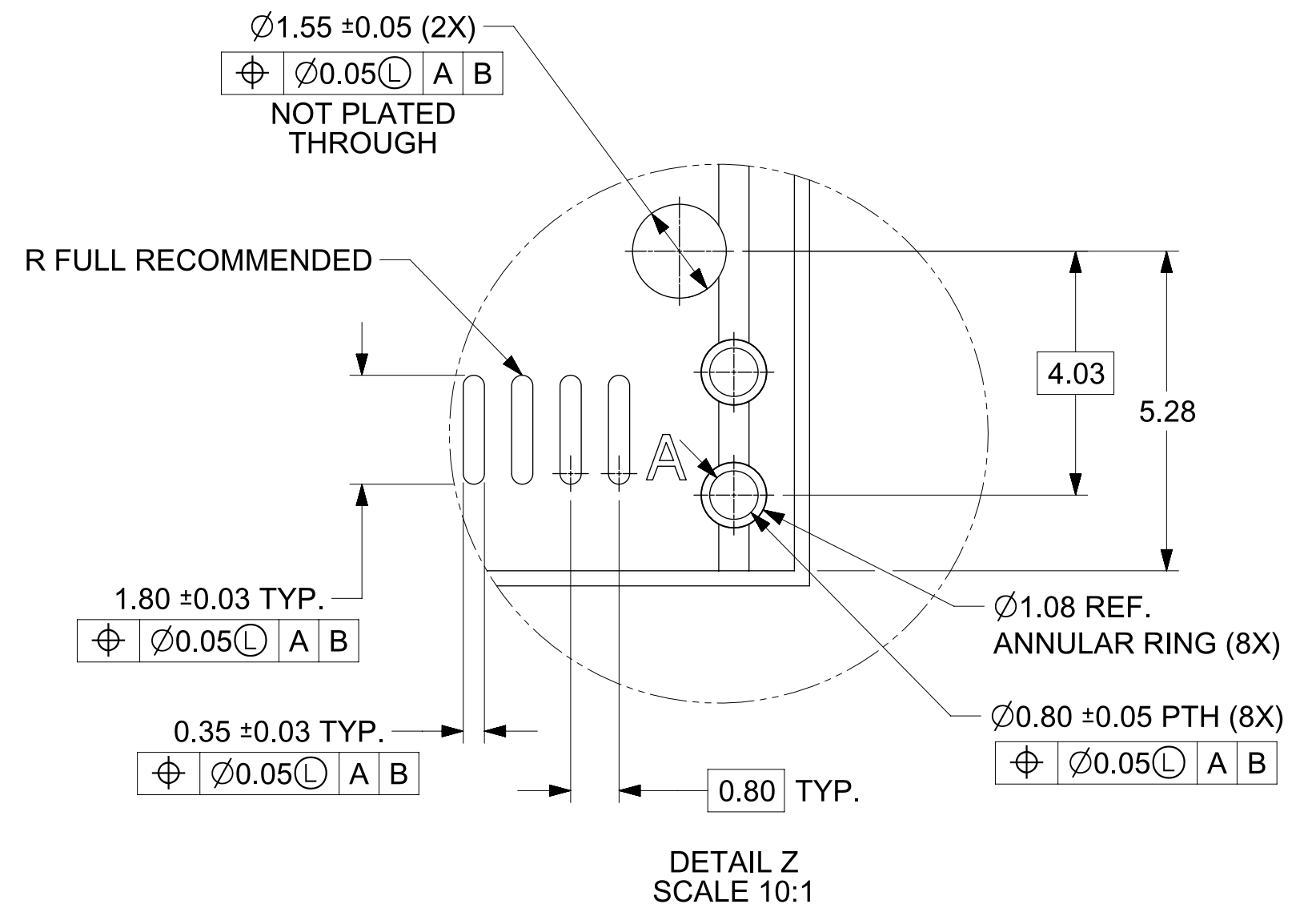
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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148				molex							
mm		1:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)								I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O							
ANGULAR TOL ± 0.5°															
4 PLACES		±													
3 PLACES		±		STATUS: Production DRWN: Vishal Ramesh Hosur 2024-05-08 CHK'D: Ganesh Rao B 2024-05-20 APPR: Gurunandan GA 2024-05-20				PRODUCT SALES DRAWING							
2 PLACES ± 0.130								DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION			
1 PLACE ± 0.25								SD-75784-001		PSD	001	D9			
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		5 OF 12	

PCB FOOT PRINT

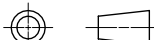


36 CIRCUIT SHOWN

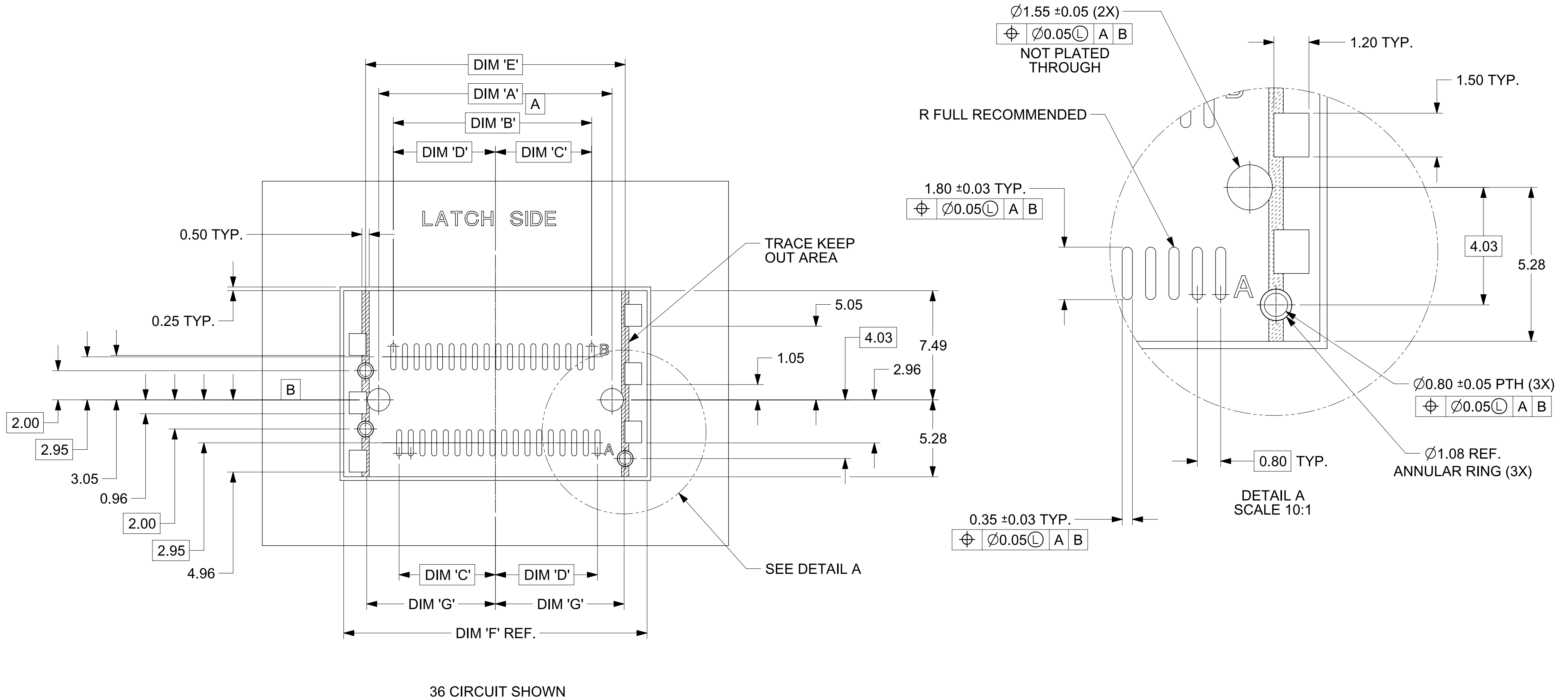


	PEG TO PEG	FIRST TO LAST PAD	CENTERLINE TO PAD	CENTERLINE TO PAD	SHELL PEG TO PEG	SHELL FOOTPRINT WIDTH
CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'
36	16.00	13.60	6.60	7.00	17.80	19.80
50	21.60	19.20	9.40	9.80	23.40	25.40
68	28.80	26.40	13.00	13.40	30.60	32.60

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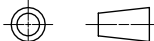
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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148			molex							
mm		5:1												
GENERAL TOLERANCES (UNLESS SPECIFIED)							I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O							
ANGULAR TOL ± 0.5°														
4 PLACES ±														
3 PLACES ±				STATUS: Production			PRODUCT SALES DRAWING							
2 PLACES ± 0.130							DOCUMENT NUMBER SD-75784-001			DOC TYPE	DOC PART	REVISION		
1 PLACE ± 0.25										PSD			001	D9
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				

VERTICAL CONNECTOR WITH SMT SHELL PCB FOOT PRINT

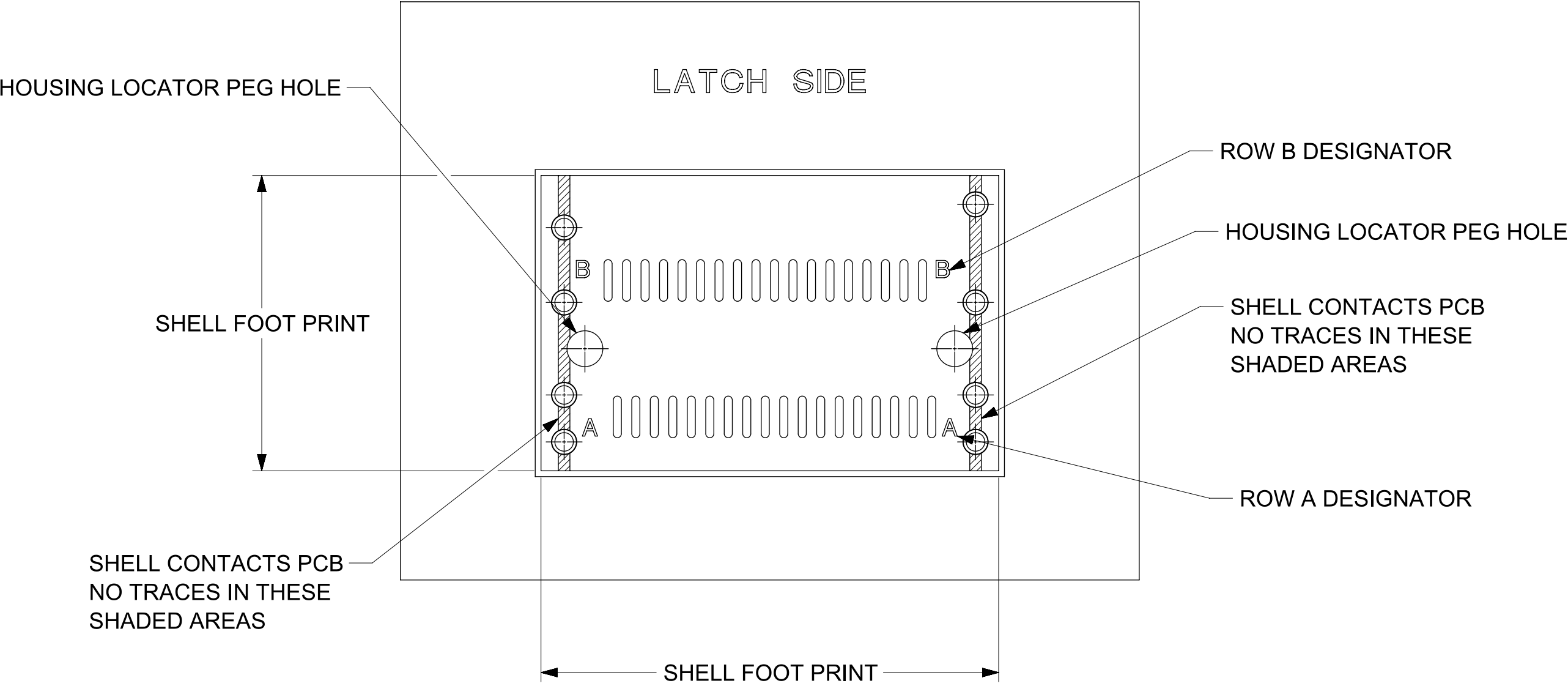


	PEG TO PEG	FIRST TO LAST PAD	CENTERLINE TO PAD	CENTERLINE TO PAD	SHELL PEG TO PEG	SHELL FOOTPRINT WIDTH	CENTERLINE TO PAD EDGE
CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'
36	16.00	13.60	6.60	7.00	17.80	20.80	8.825
50	21.60	19.20	9.40	9.80	23.40	26.40	11.625
68	28.80	26.40	13.00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

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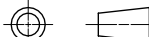
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148			molex						
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		±		STATUS: Production DRWN: Vishal Ramesh Hosur 2024-05-08 CHK'D: Ganesh Rao B 2024-05-20 APPR: Gurunandan GA 2024-05-20			PRODUCT SALES DRAWING						
2 PLACES		± 0.130					DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
1 PLACE		± 0.25					SD-75784-001		PSD	001	D9		
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		9 OF 12	

VERTICAL CONNECTOR WITH SHELL
PCB FOOT PRINT DESCRIPTIONS

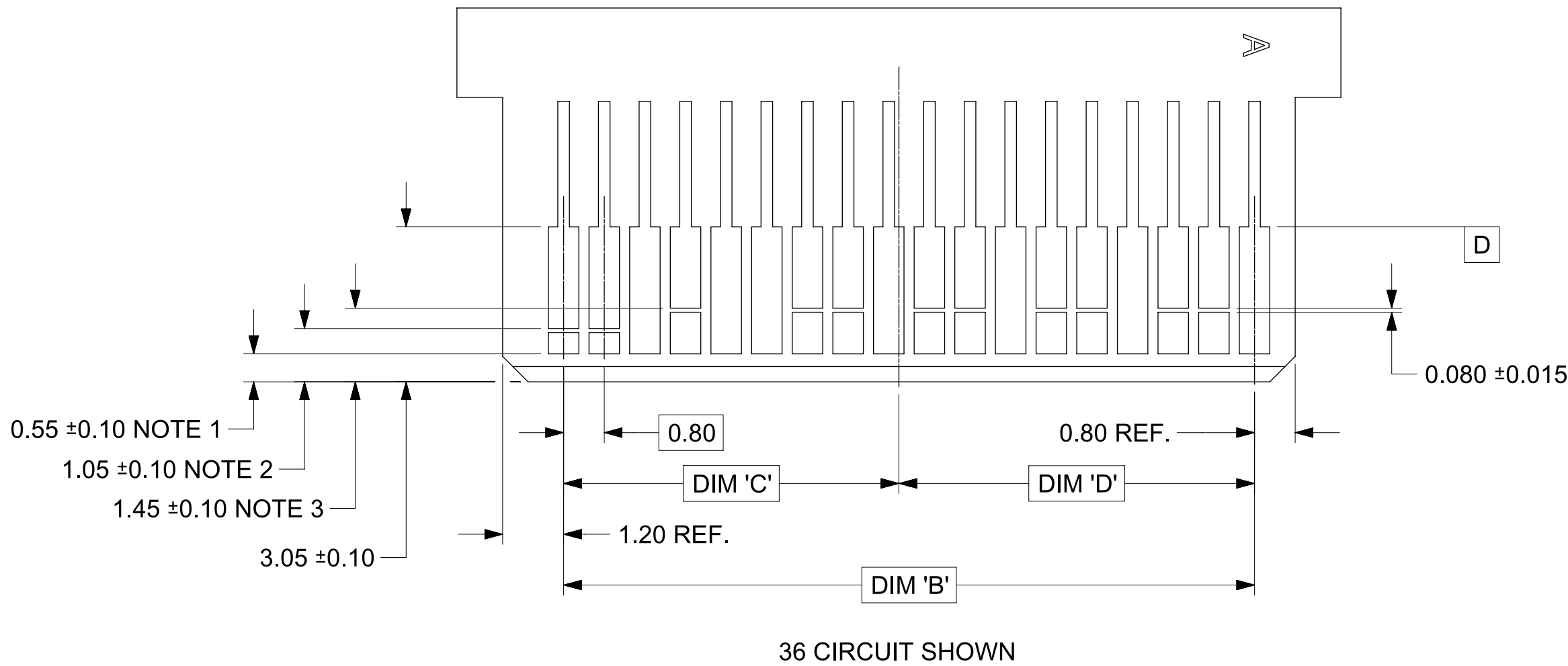
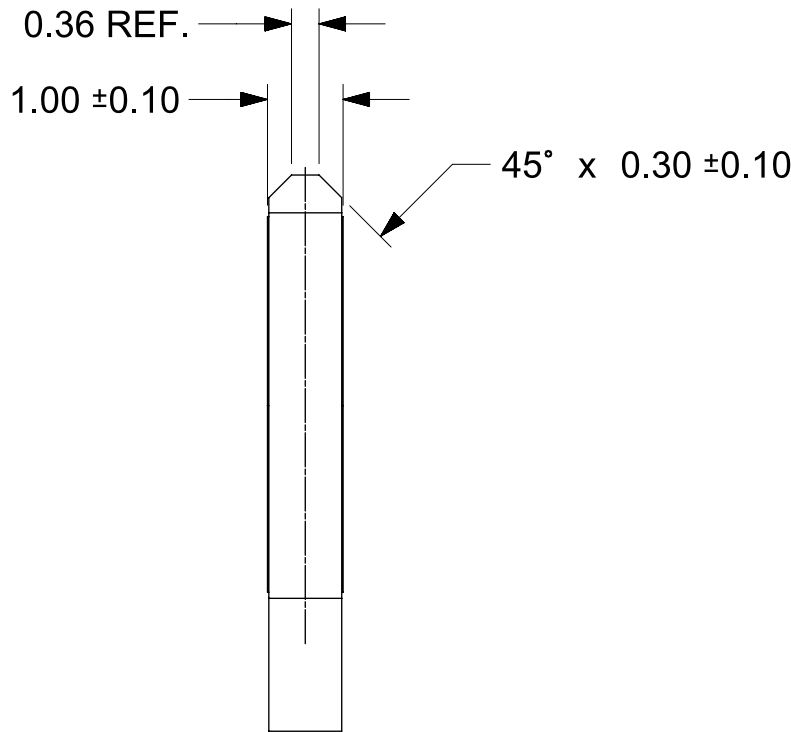
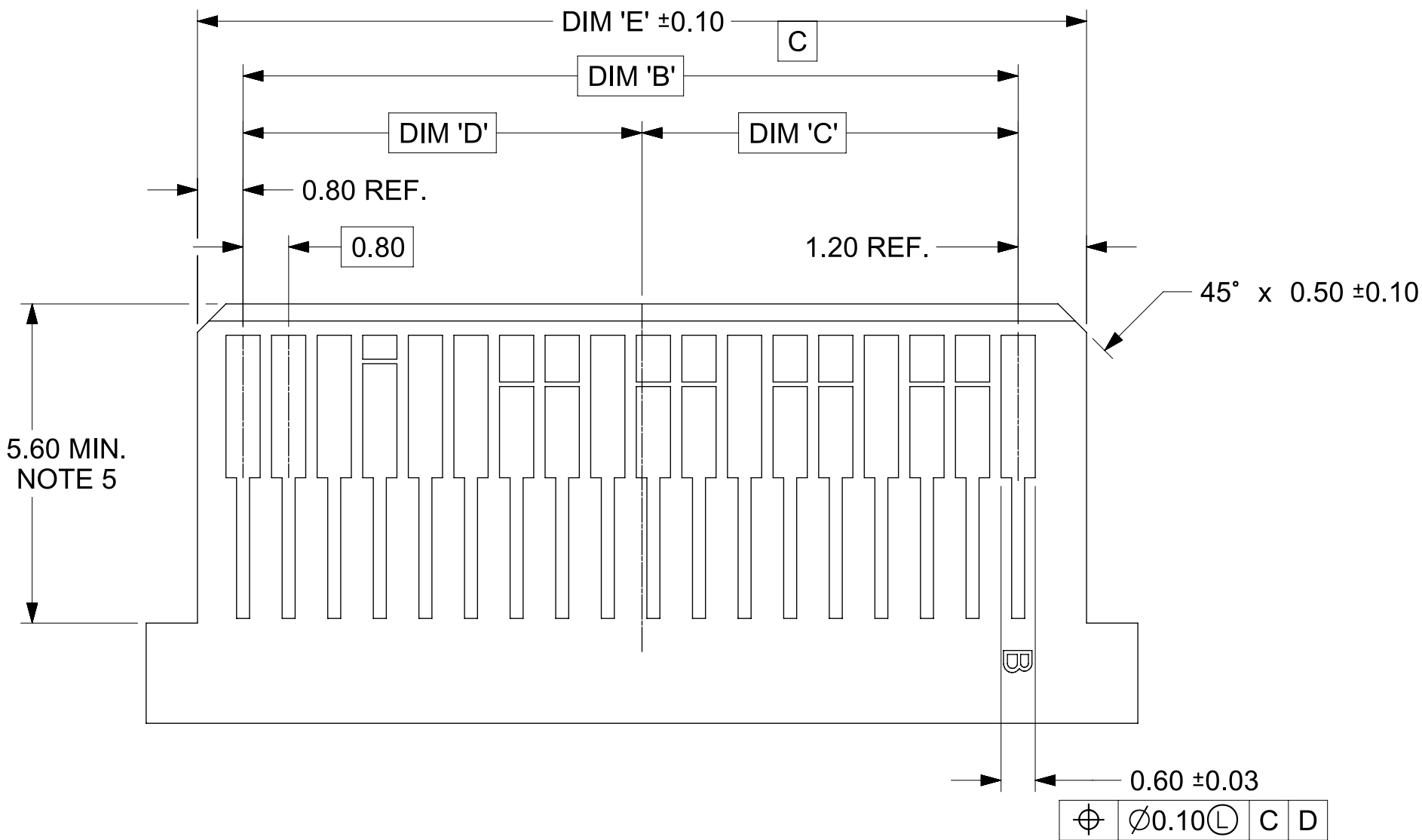


36 CIRCUIT SHOWN

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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)											
ANGULAR TOL ± 0.5°								I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O			
4 PLACES		±									
3 PLACES		±									
2 PLACES		± 0.130						PRODUCT SALES DRAWING			
1 PLACE		± 0.25									
0 PLACES		±									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES			
						C-SIZE		75784			
				STATUS: Production		2024-05-08		DOCUMENT NUMBER			
				DRWN: Vishal Ramesh Hosur		2024-05-20		DOC TYPE			
				CHK'D: Ganesh Rao B		2024-05-20		DOC PART			
				APPR: Gurunandan GA		2024-05-20		REVISION			
								SD-75784-001			
								PSD			
								001			
								D9			

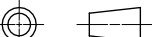
MATING INTERFACE (FOR REFERENCE ONLY)



- NOTES:
- 1. PAD CONFIGURATION FOR FIRST MATE.
 - 2. PAD CONFIGURATION FOR SECOND MATE.
 - 3. PAD CONFIGURATION FOR THIRD MATE. (HIGH SPEED SIGNALS)
 - 4. FOR PIN ASSIGNMENTS AND MATING SEQUENCE (1ST, 2ND, 3RD), SEE APPLICABLE SPECIFICATION.
 - 5. MINIMUM STEP REQUIRED IF PCB MADE WIDER THAN TONGUE.

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CIRCUIT SIZE	TERM/SIDE 'N'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'
36	18	13.60	6.60	7.00	15.60
50	25	19.20	9.40	9.80	21.20
68	34	26.40	13.00	13.40	28.40

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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		DOCUMENT NUMBER		DOC TYPE		DOC PART	REVISION		
0 PLACES		±		STATUS: Production		SD-75784-001		PSD		001	D9
DRWN: Vishal Ramesh Hosur				2024-05-08							
CHK'D: Ganesh Rao B				2024-05-20							
APPR: Gurunandan GA				2024-05-20							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
				C-SIZE		75784		SEE TABLE		CUSTOMER	
								GENERAL MARKET		SHEET NUMBER	
										11 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

SEE TABLE	GENERAL MARKET
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12	11	10	9	8	7	6	5	4	3	2	1
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