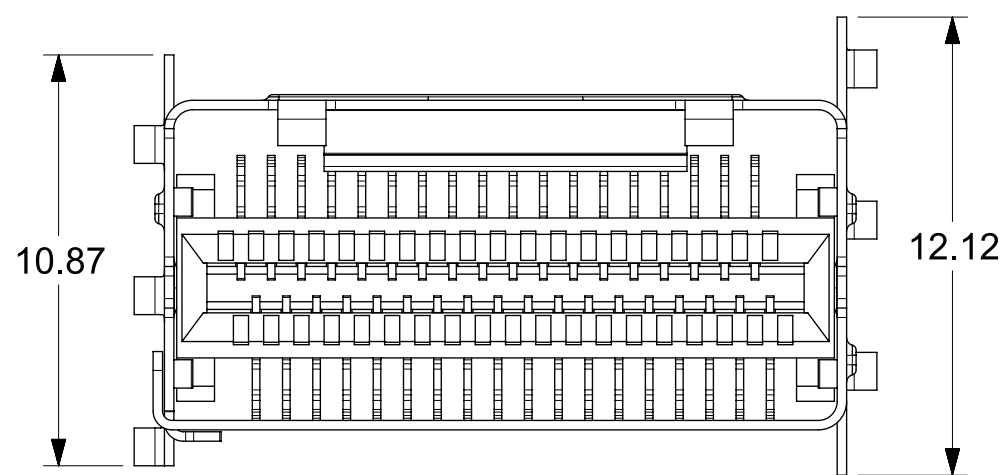
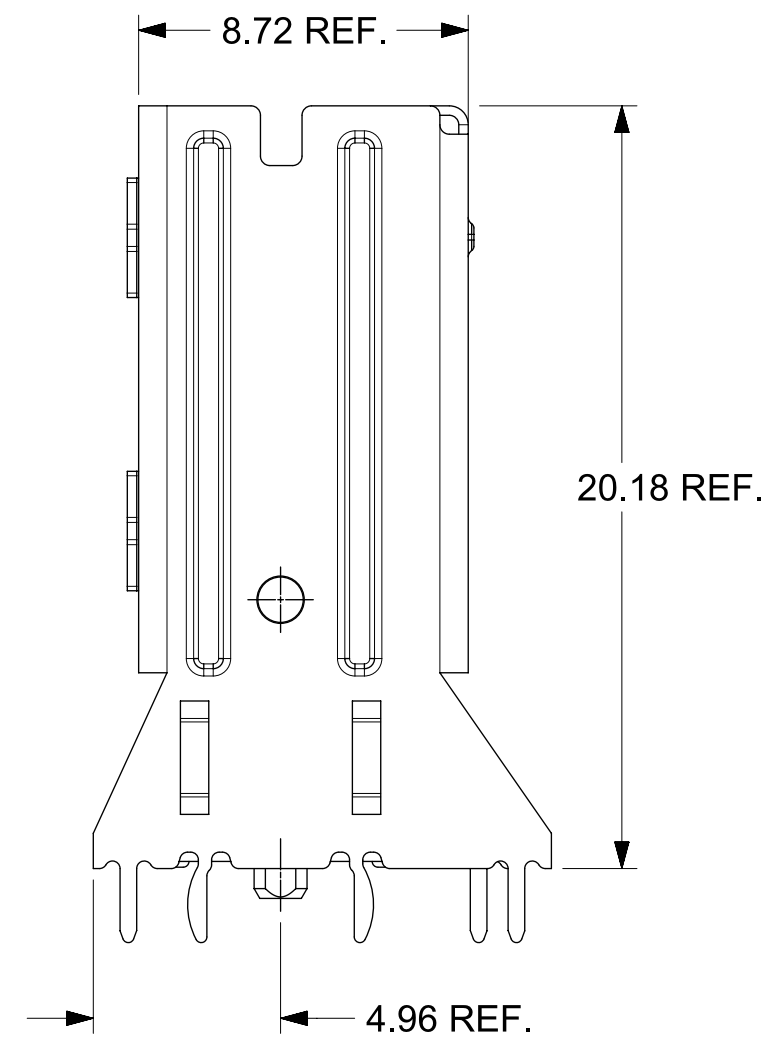
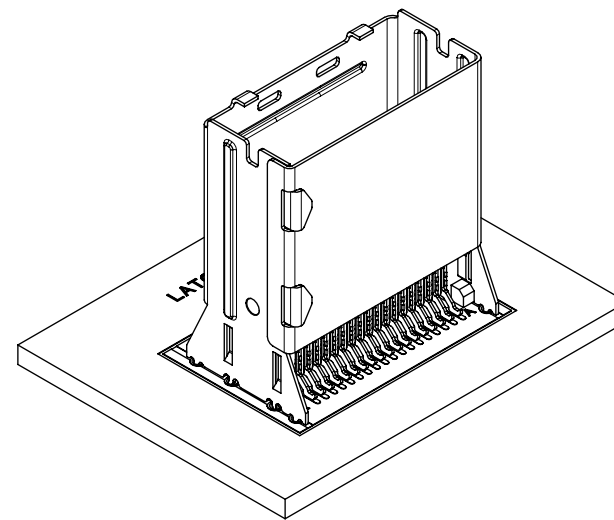
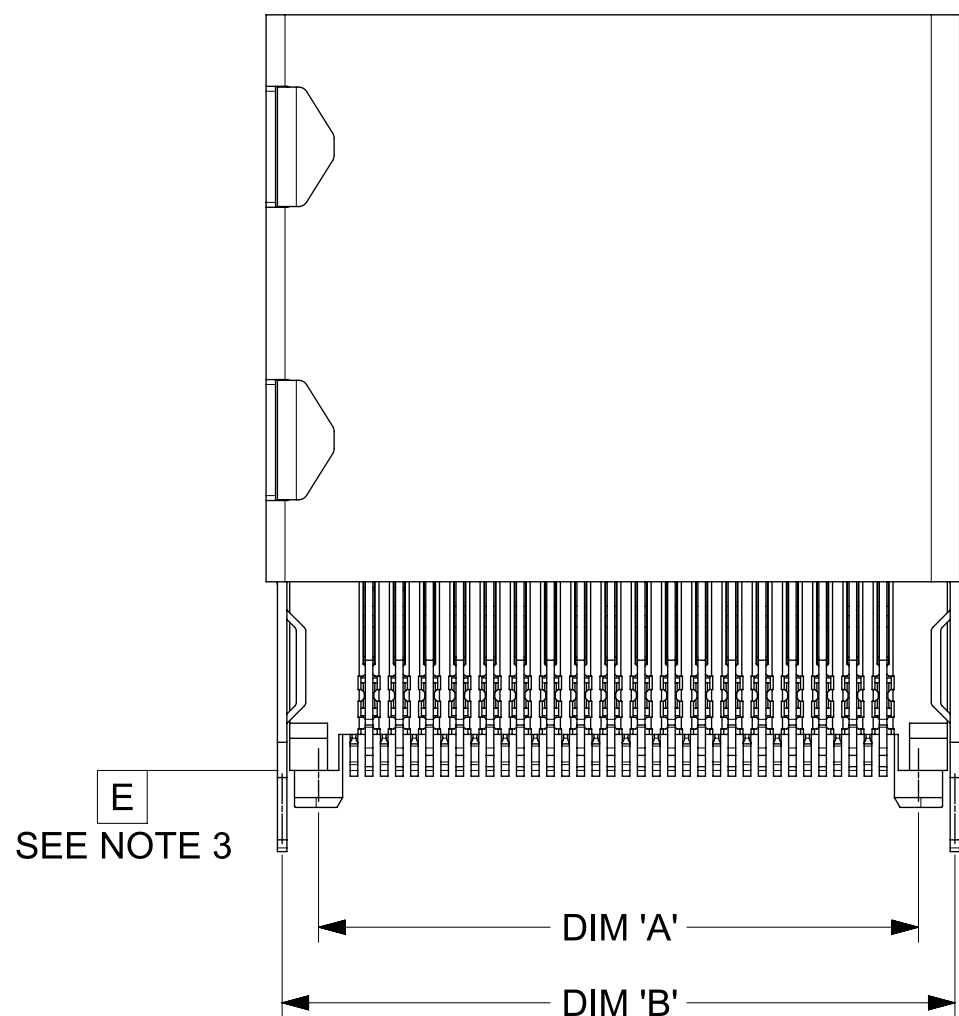
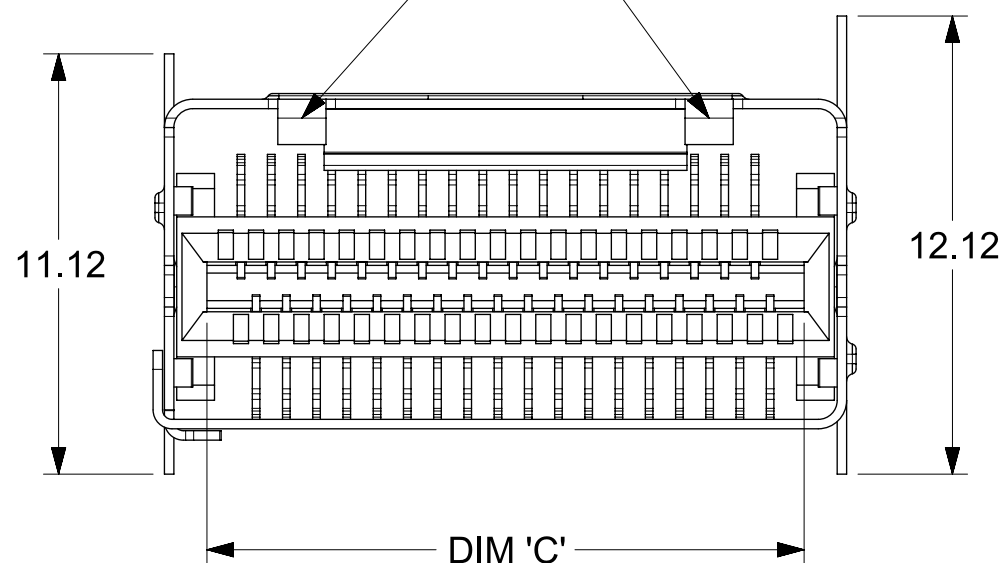




SMT

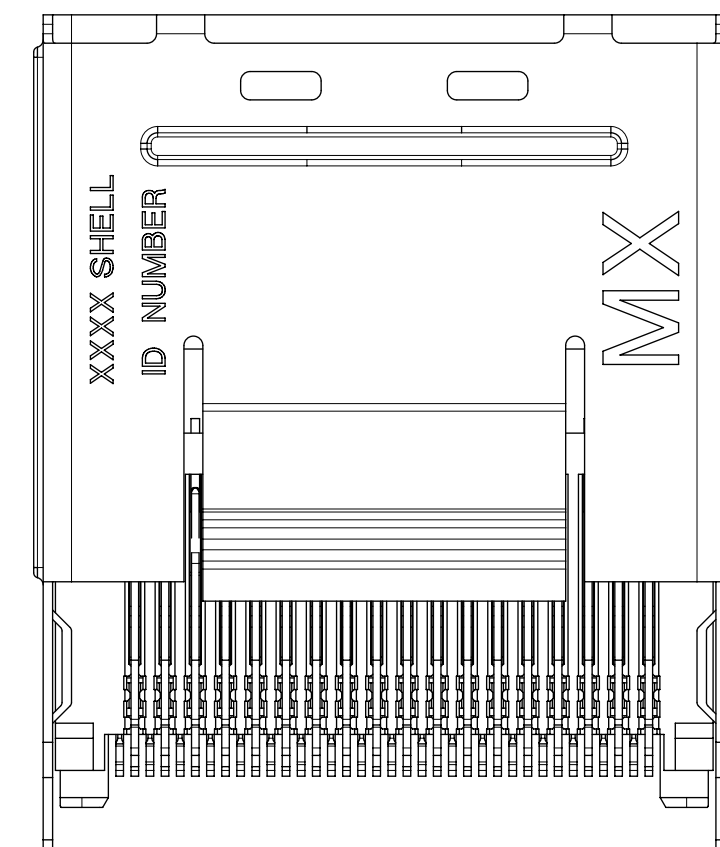
KEY LOCATIONS



36 CIRCUIT
RETENTION FIT
SHELL OPTION SHOWN

NOTES:

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

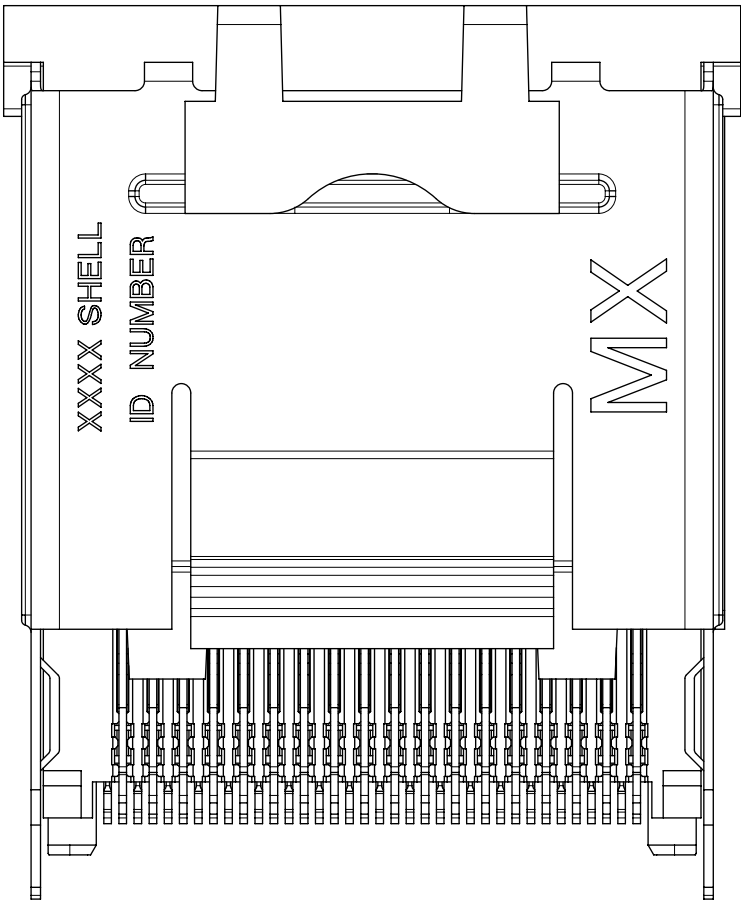
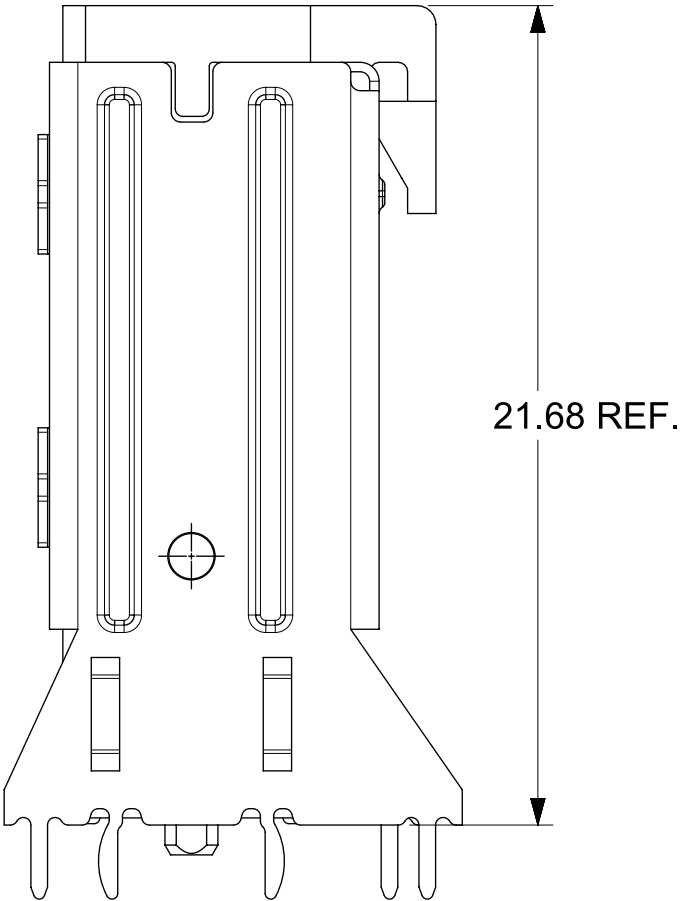
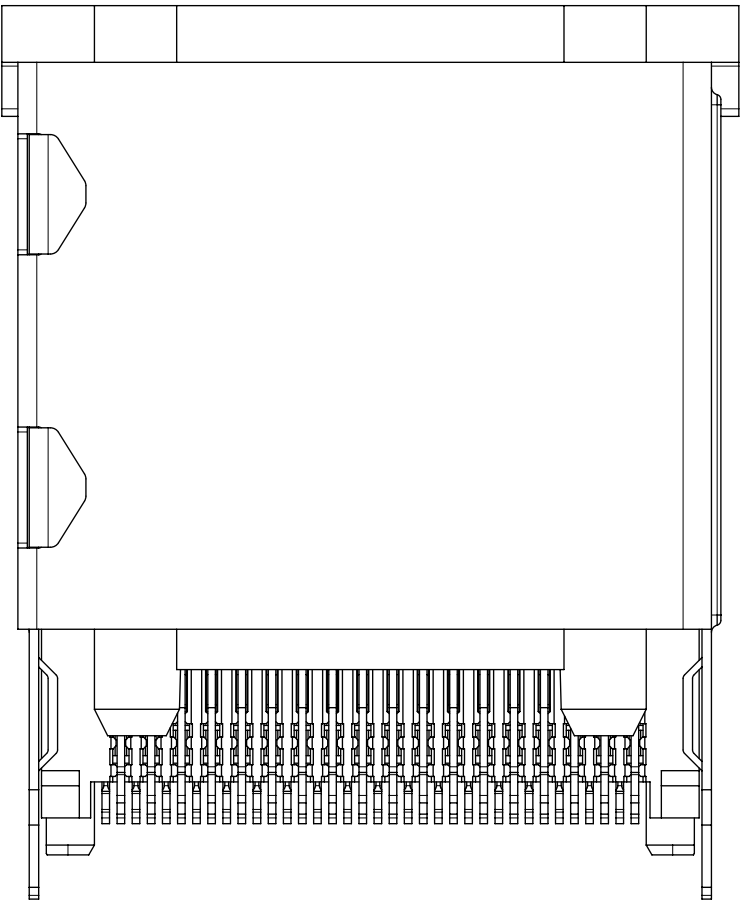
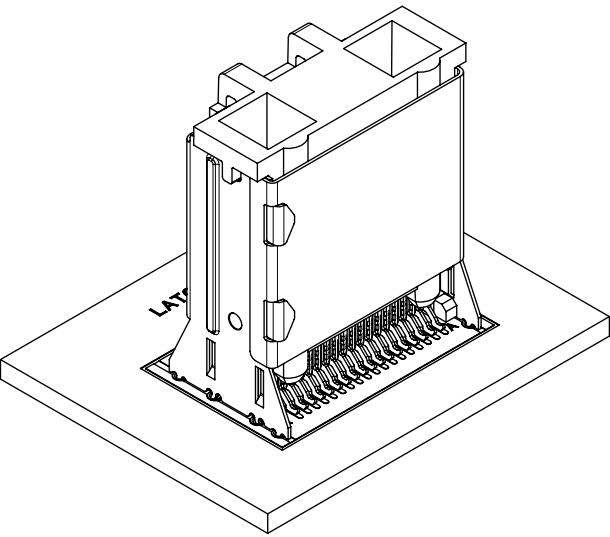
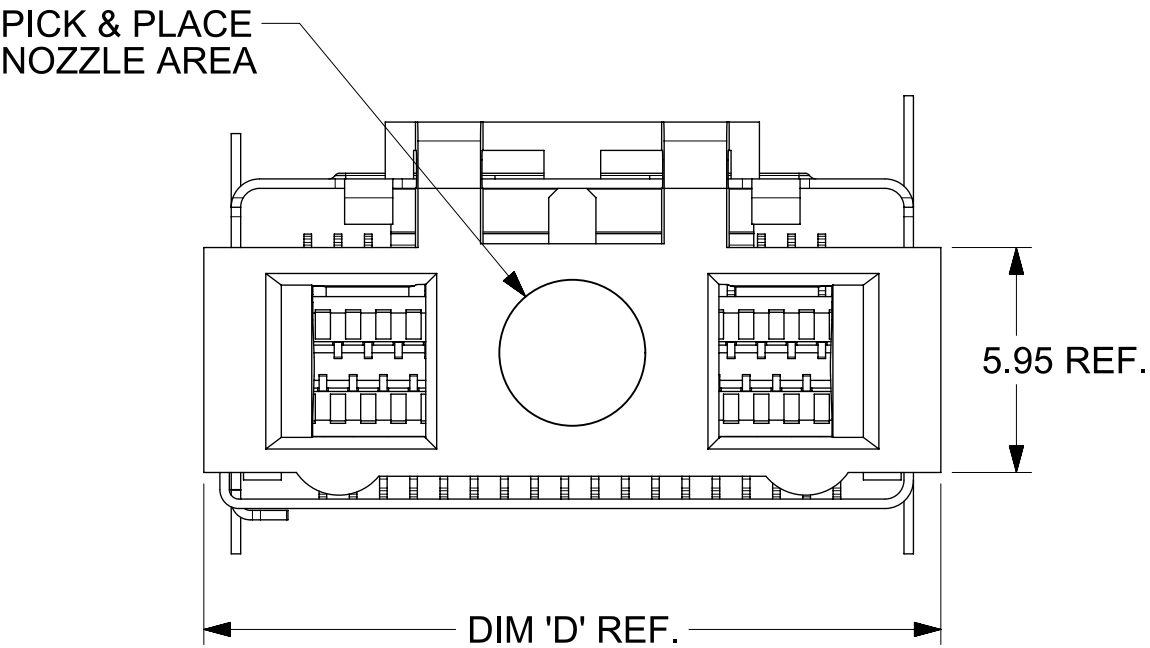


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DIMENSION UNITS		SCALE		CURRENT REV DESC: 75784-0136 & 75784-0137, Mentioned part numbers have been re-added to the Doc.			molex				
mm		5:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)							I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O				
ANGULAR TOL ± 0.5°											
4 PLACES ±											
3 PLACES ±				PRODUCT SALES DRAWING			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
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	
				STATUS: Production		2024-02-23					
				DRWN: Vishal Ramesh Hosur		2024-02-26					
				CHK'D: Ganesh Rao B		2024-02-26					
				APPR: Gurunandan GA		2024-02-26					

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

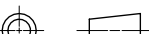


36 CIRCUIT RETENTION FIT SHOWN

- 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: 75784-0136 & 75784-0137, Mentioned part numbers have been re-added to the Doc.				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 2024-02-23 CHK'D: Ganesh Rao B 2024-02-26 APPR: Gurunandan GA 2024-02-26				PRODUCT SALES DRAWING									
2 PLACES		± 0.130															
1 PLACE		± 0.25															
0 PLACES		±															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE	
						C-SIZE		75784		SD-75784-001		PSD		001		D8	
										SEE TABLE		GENERAL MARKET		SHEET NUMBER			
																2 OF 12	

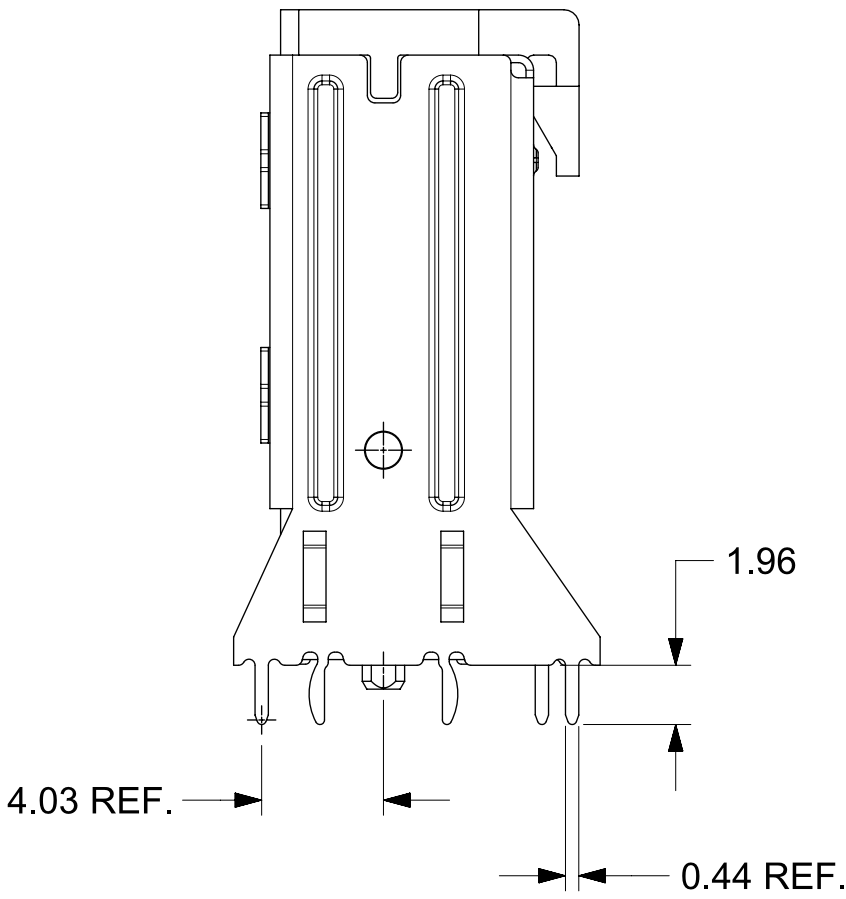
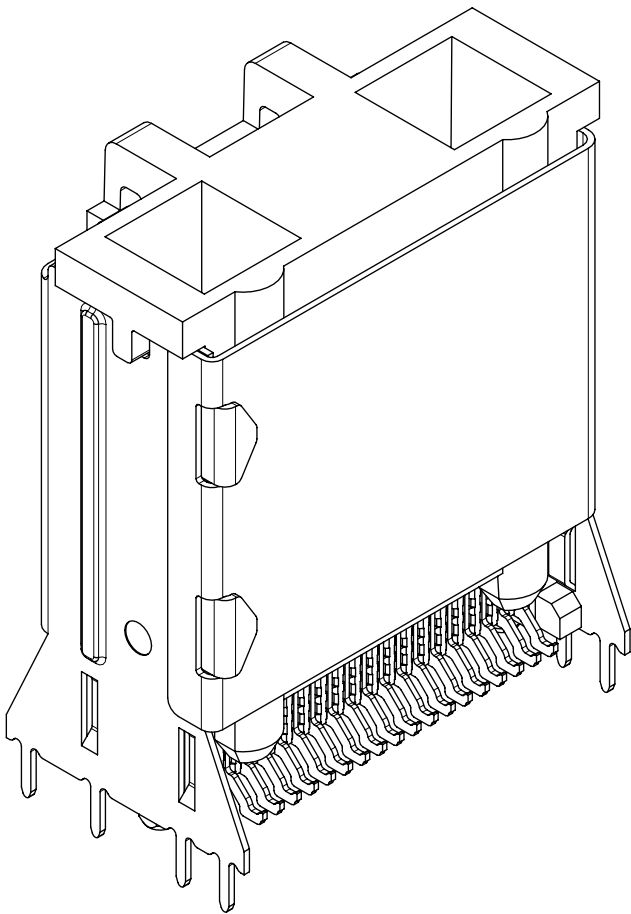
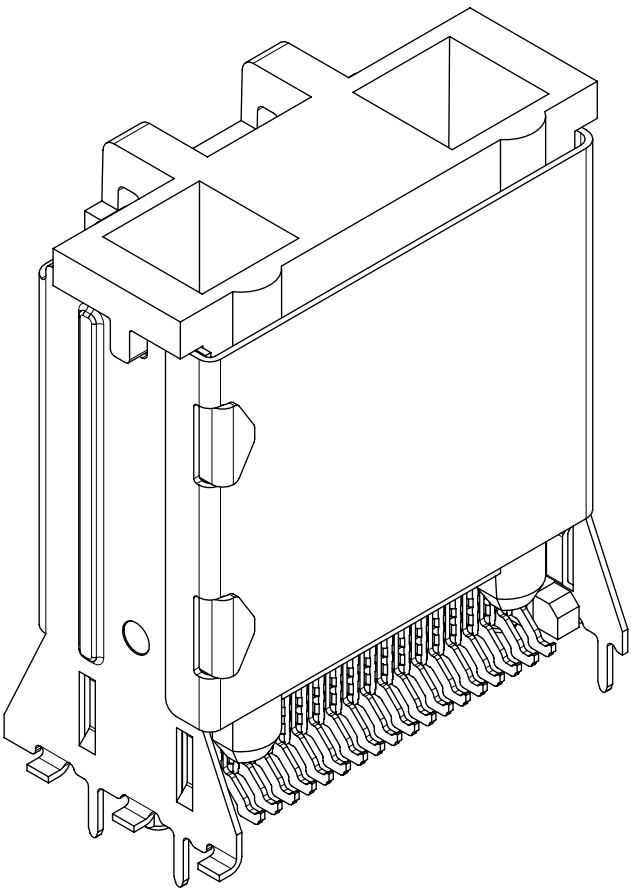
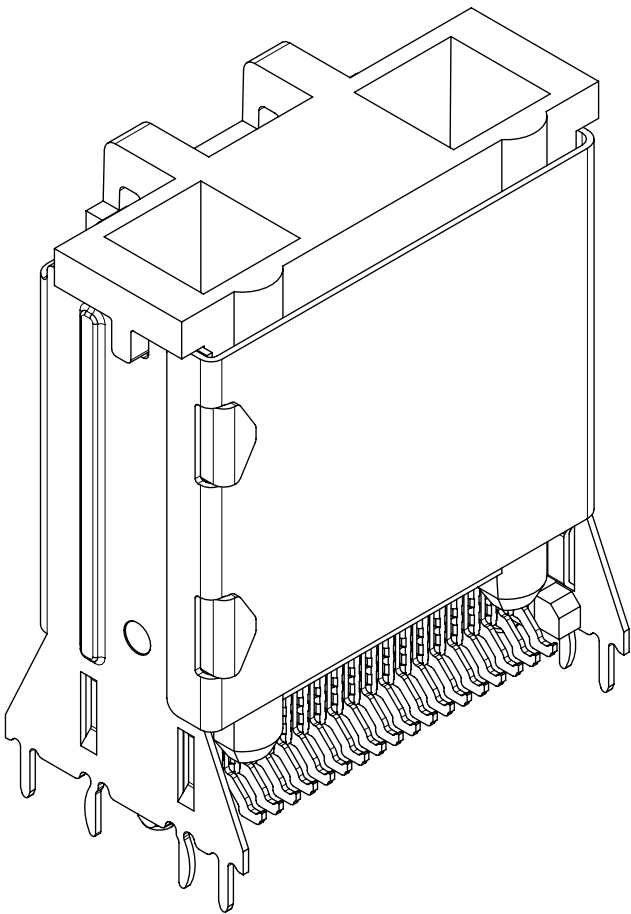
molex

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

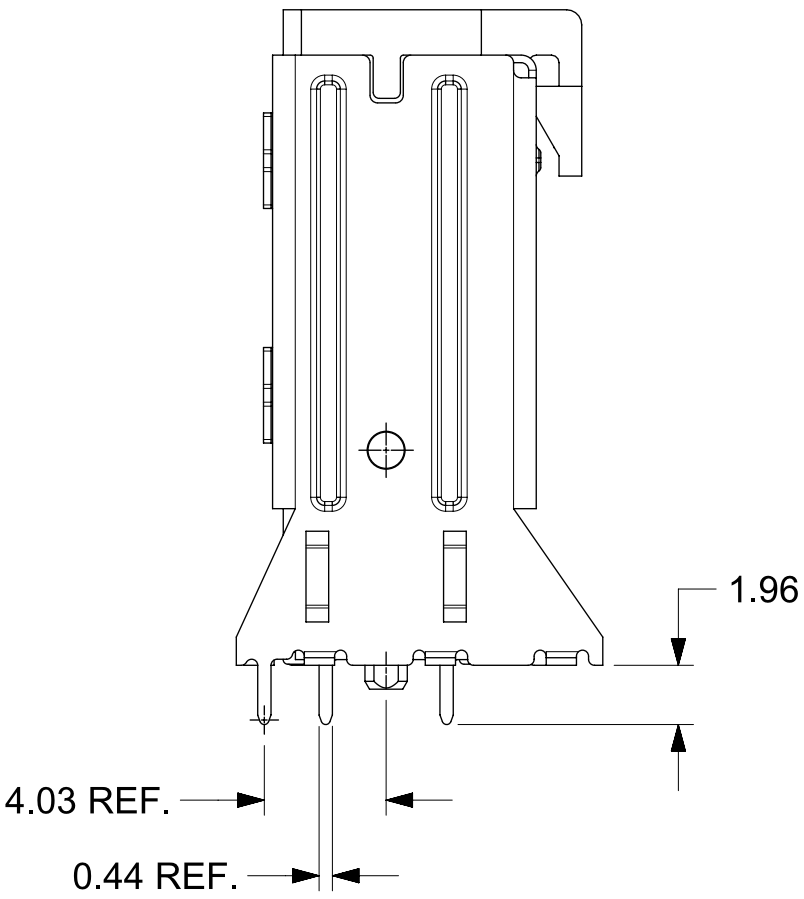
PRODUCT SALES DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-75784-001	PSD	001	D8

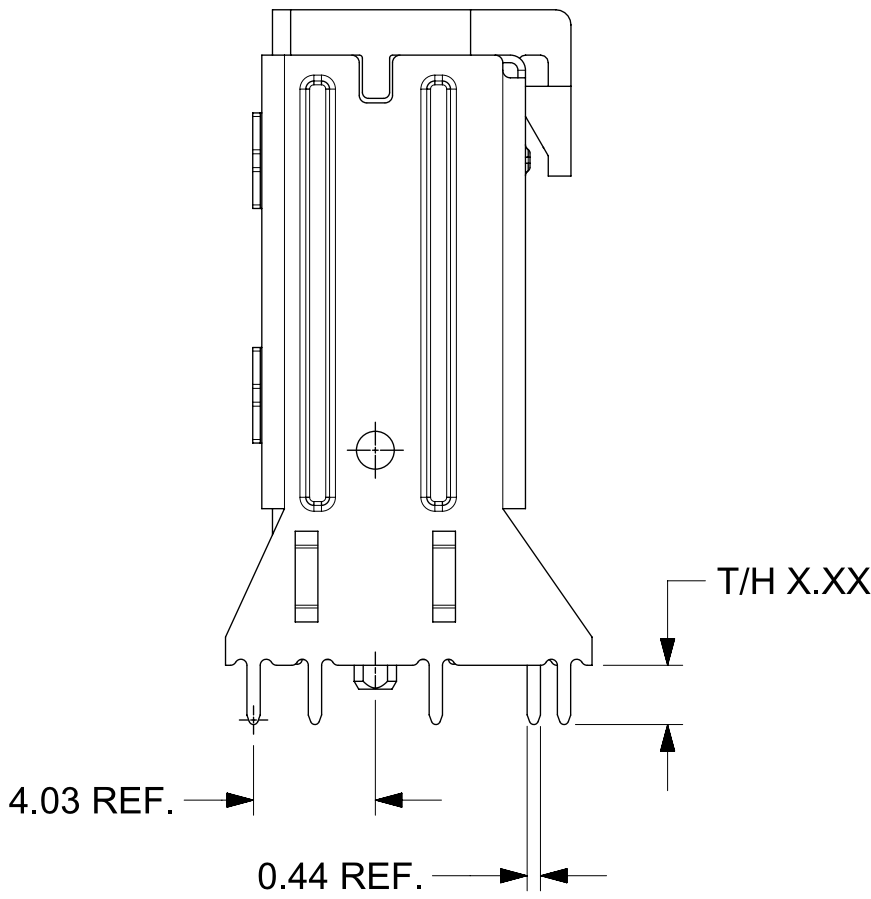
SHELL PCB INTERFACE



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: 75784-0136 & 75784-0137, Mentioned part numbers have been re-added to the Doc.				molex I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O							
mm		4:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)								PRODUCT SALES DRAWING							
ANGULAR TOL ± 0.5°															
4 PLACES		±		STATUS: Production DRWN: Vishal Ramesh Hosur 2024-02-23 CHK'D: Ganesh Rao B 2024-02-26 APPR: Gurunandan GA 2024-02-26				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION			
3 PLACES		±						SD-75784-001		PSD	001	D8			
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

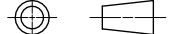
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-75784-001	PSD	001	D8

36 CIRCUIT ITEM NUMBERS

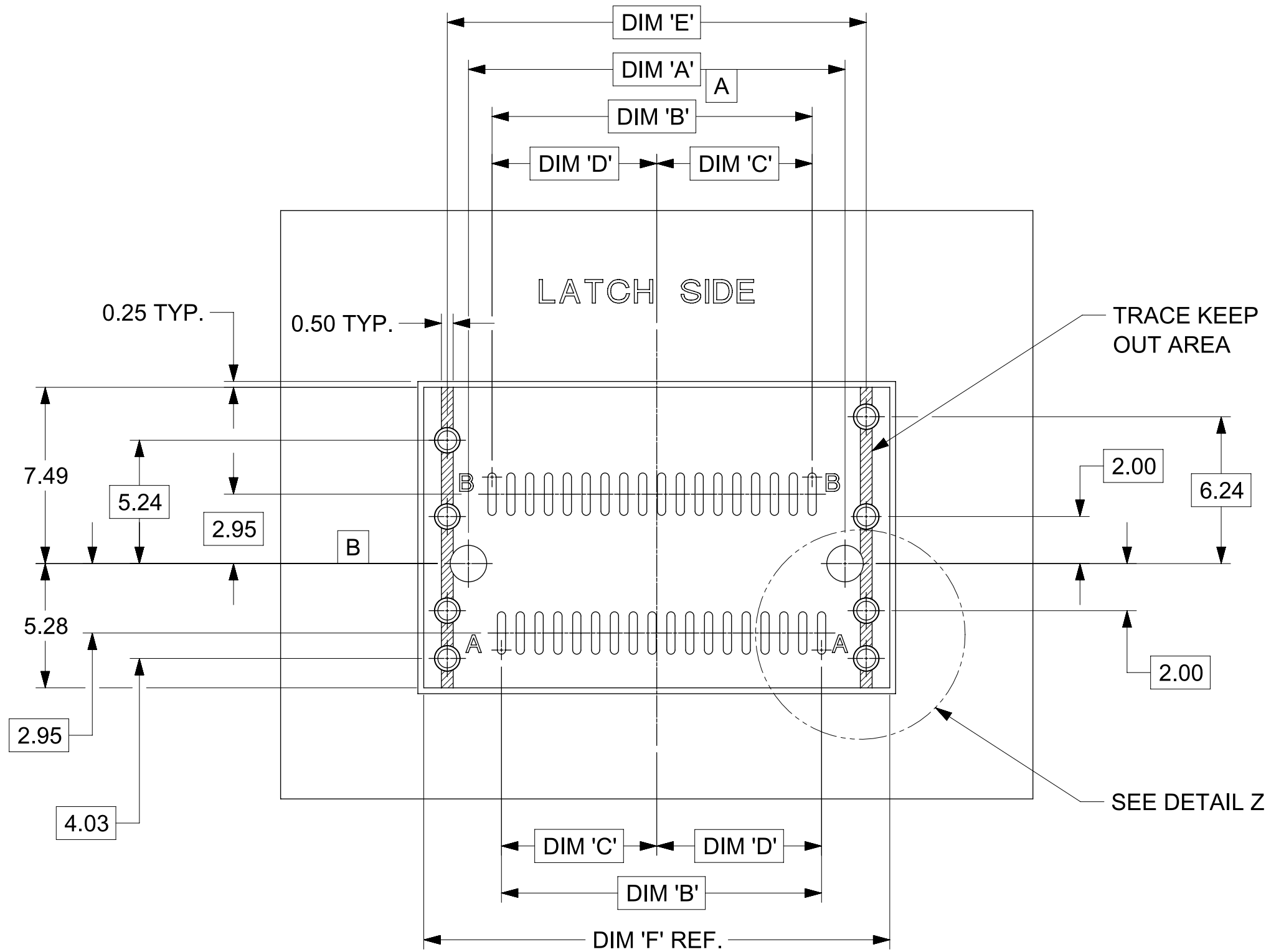
CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
36	75784-0109	OPTION 1	RETENTION	DUAL
36	75784-0110	OPTION 1	SMT	LEFT
36	75784-0111	OPTION 1	SMT	RIGHT
36	75784-0112	OPTION 1	SMT	DUAL
36	75784-0119	OPTION 2	RETENTION	LEFT
36	75784-0120	OPTION 2	RETENTION	RIGHT
36	75784-0125	OPTION 1	RETENTION	UNIVERSAL
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	75784-0147	OPTION 1	T/H 3.18	DUAL
36	75784-0148	OPTION 1	T/H 3.18	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

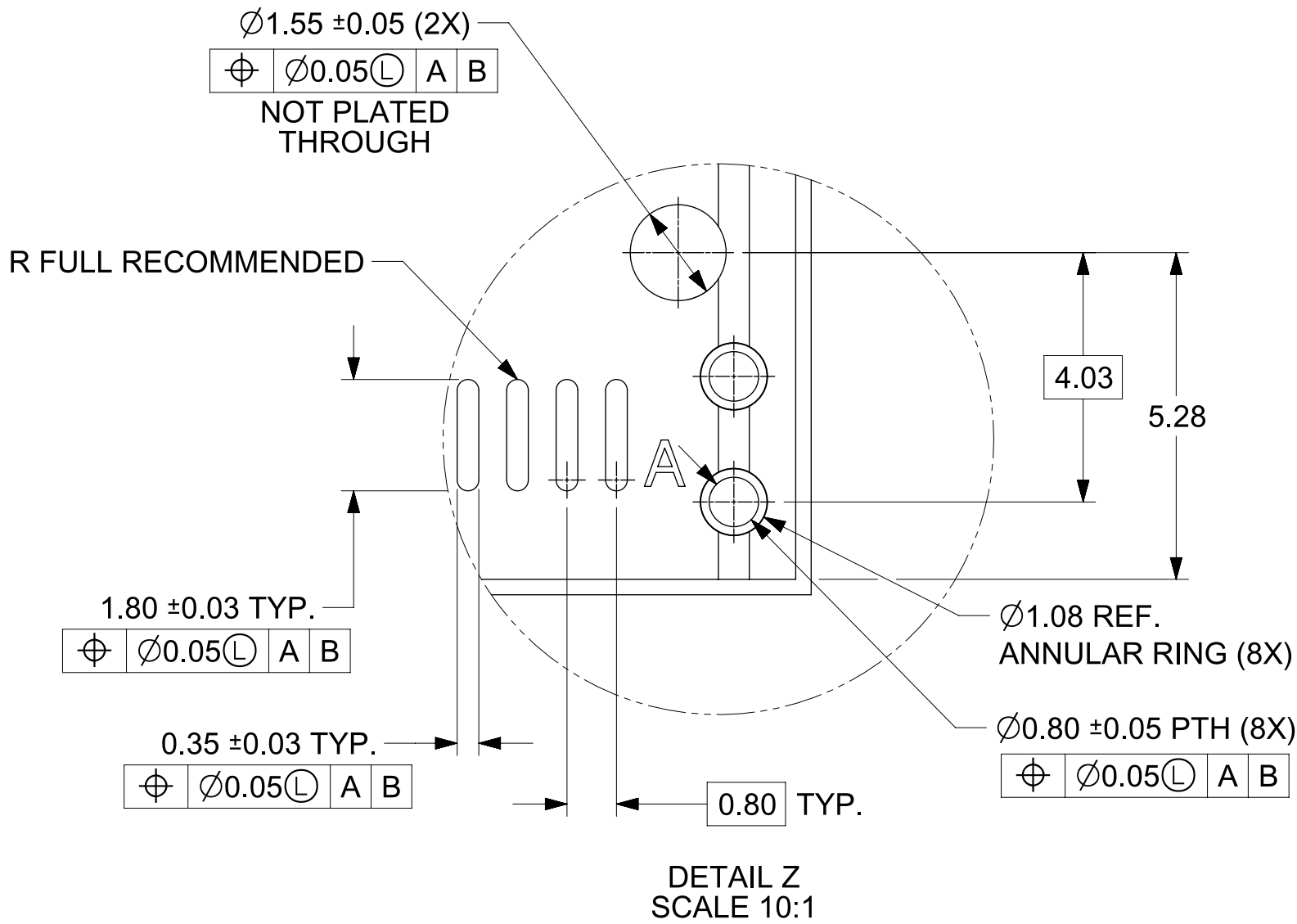
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DIMENSION UNITS		SCALE		CURRENT REV DESC: 75784-0136 & 75784-0137, Mentioned part numbers have been re-added to the Doc.				molex		
mm		1:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)										
ANGULAR TOL ± 0.5°										
4 PLACES		±								
3 PLACES		±								
2 PLACES		± 0.130								
1 PLACE		± 0.25								
0 PLACES		±								
STATUS: Production DRWN: Vishal Ramesh Hosur 2024-02-23 CHK'D: Ganesh Rao B 2024-02-26 APPR: Gurunandan GA 2024-02-26				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	D8
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 RETENTION FIT & THRU-HOLE SHELL
PCB FOOT PRINT



36 CIRCUIT SHOWN



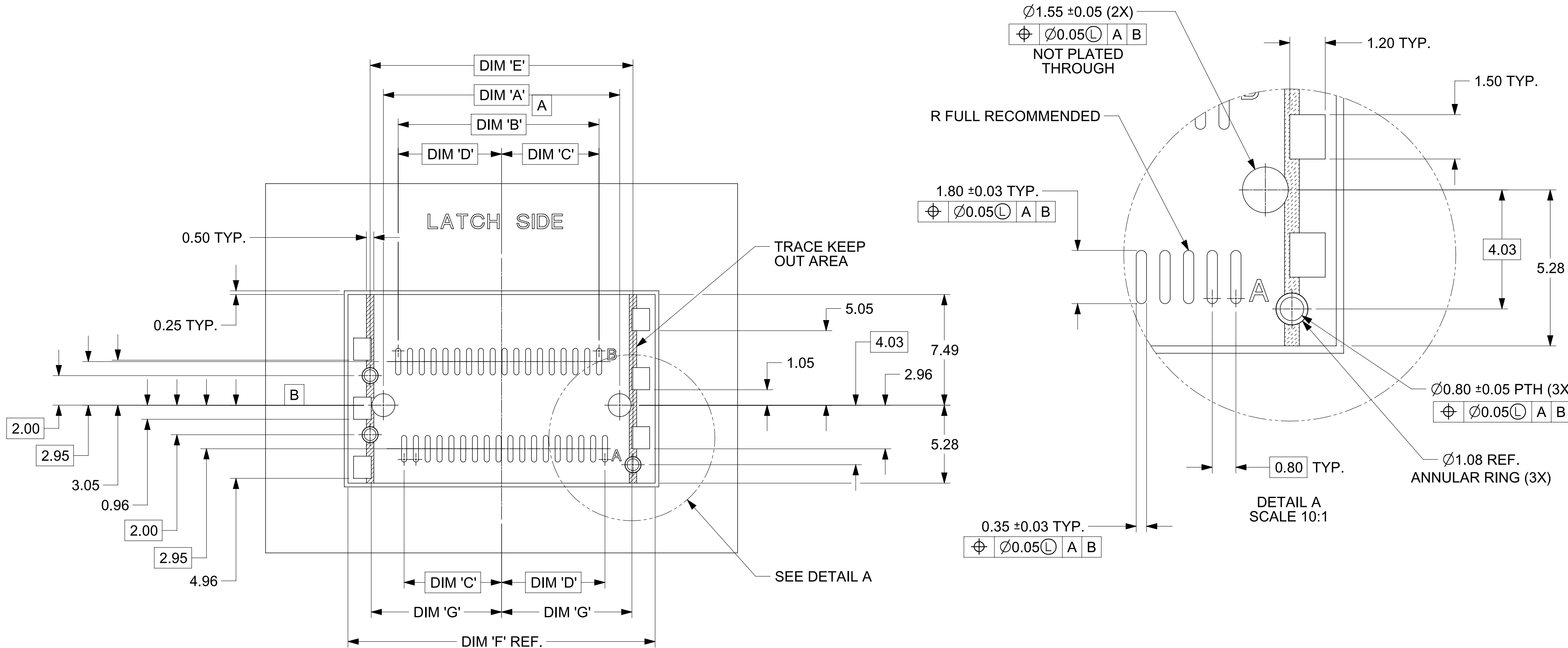
DETAIL Z
SCALE 10:1

	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: 75784-0136 & 75784-0137, Mentioned part numbers have been re-added to the Doc.			molex		
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		±							
STATUS: Production DRWN: Vishal Ramesh Hosur									

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	CURRENT REV DESC: 75784-0136 & 75784-0137, Mentioned part numbers have been re-added to the Doc.					
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	9 OF 12

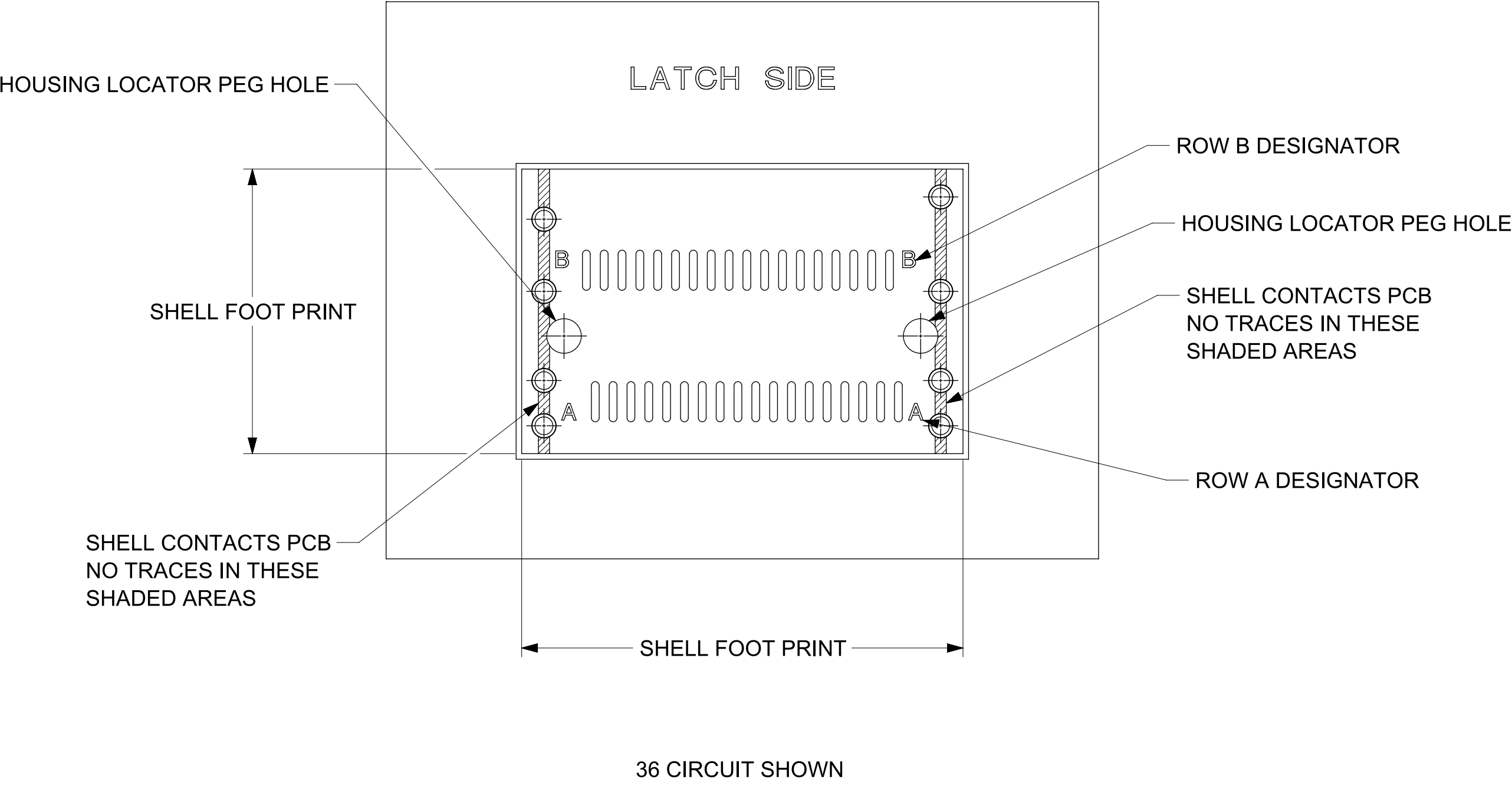
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I-PASS VERT CONNECTOR
INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

PRODUCT SALES DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-75784-001	PSD	001	D8

VERTICAL CONNECTOR WITH SHELL
PCB FOOT PRINT DESCRIPTIONS



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DIMENSION UNITS		SCALE		CURRENT REV DESC: 75784-0136 & 75784-0137, Mentioned part numbers have been re-added to the Doc. STATUS: Production DRWN: Vishal Ramesh Hosur2024-02-23 CHK'D: Ganesh Rao B2024-02-26 APPR: Gurunandan GA2024-02-26			molex I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O PRODUCT SALES DRAWING										
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		10 OF 12			
										DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
										SD-75784-001		PSD		001		D8	

121110987654321

H

G

F

E

D

C

B

A

MATING INTERFACE (FOR REFERENCE ONLY)

DIM 'E' ±0.10

DIM 'B'

DIM 'D'

DIM 'C'

0.80 REF.

0.80

1.20 REF.

45° x 0.50 ±0.10

5.60 MIN. NOTE 5

0.60 ±0.03

Ø0.10

0.36 REF.

1.00 ±0.10

45° x 0.30 ±0.10

0.55 ±0.10 NOTE 1

1.05 ±0.10 NOTE 2

1.45 ±0.10 NOTE 3

3.05 ±0.10

0.80

0.80 REF.

0.080 ±0.015

DIM 'C'

DIM 'D'

DIM 'B'

1.20 REF.

36 CIRCUIT SHOWN

NOTES:

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

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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CURRENT REV DESC: 75784-0136 & 75784-0137, Mentioned part numbers have been re-added to the Doc.

STATUS: Production

DRWN: Vishal Ramesh Hosur 2024-02-23

CHK'D: Ganesh Rao B 2024-02-26

APPR: Gurunandan GA 2024-02-26

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING C-SIZE

SERIES 75784

DOCUMENT NUMBER SD-75784-001

DOC TYPE PSD

DOC PART 001

REVISION D8

MATERIAL NUMBER SEE TABLE

CUSTOMER GENERAL MARKET

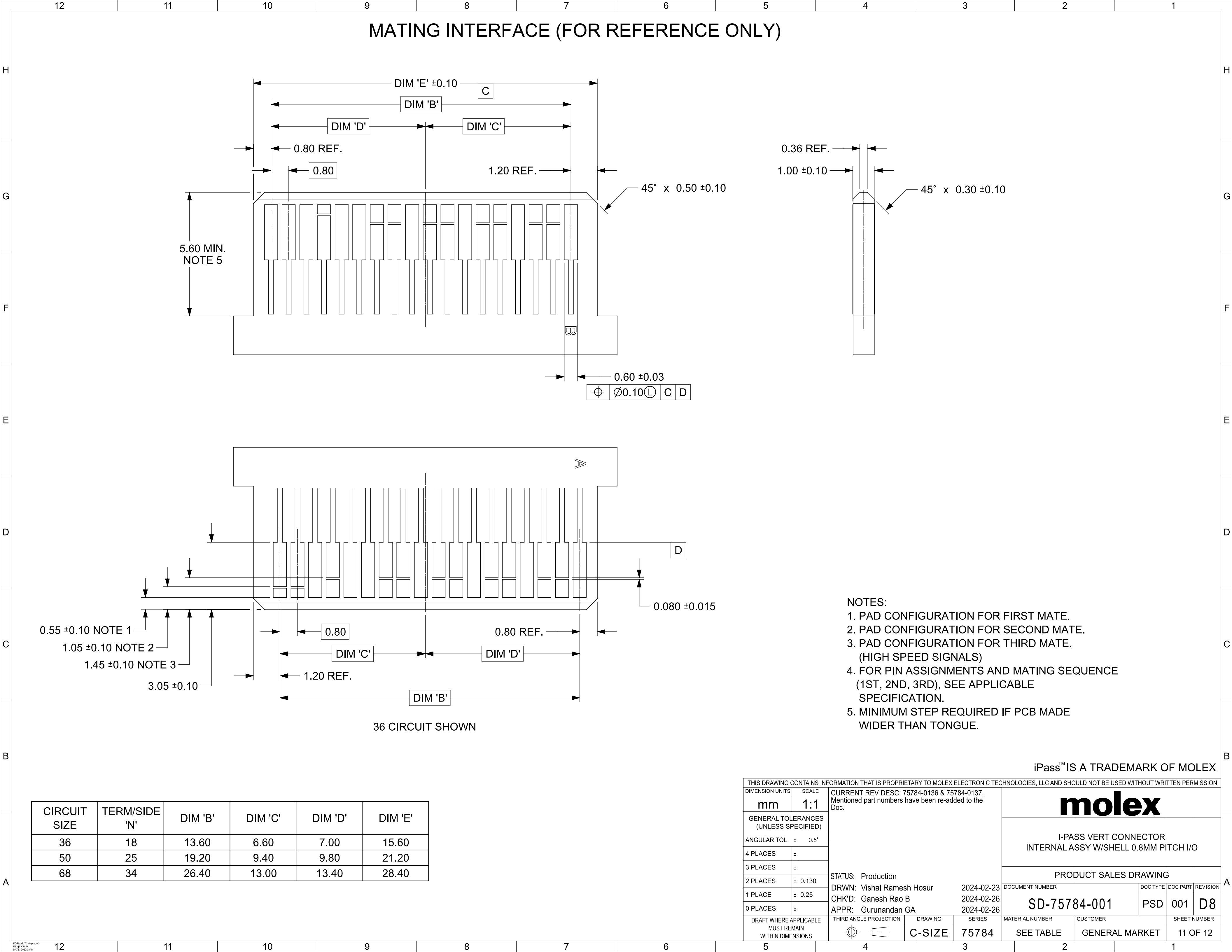
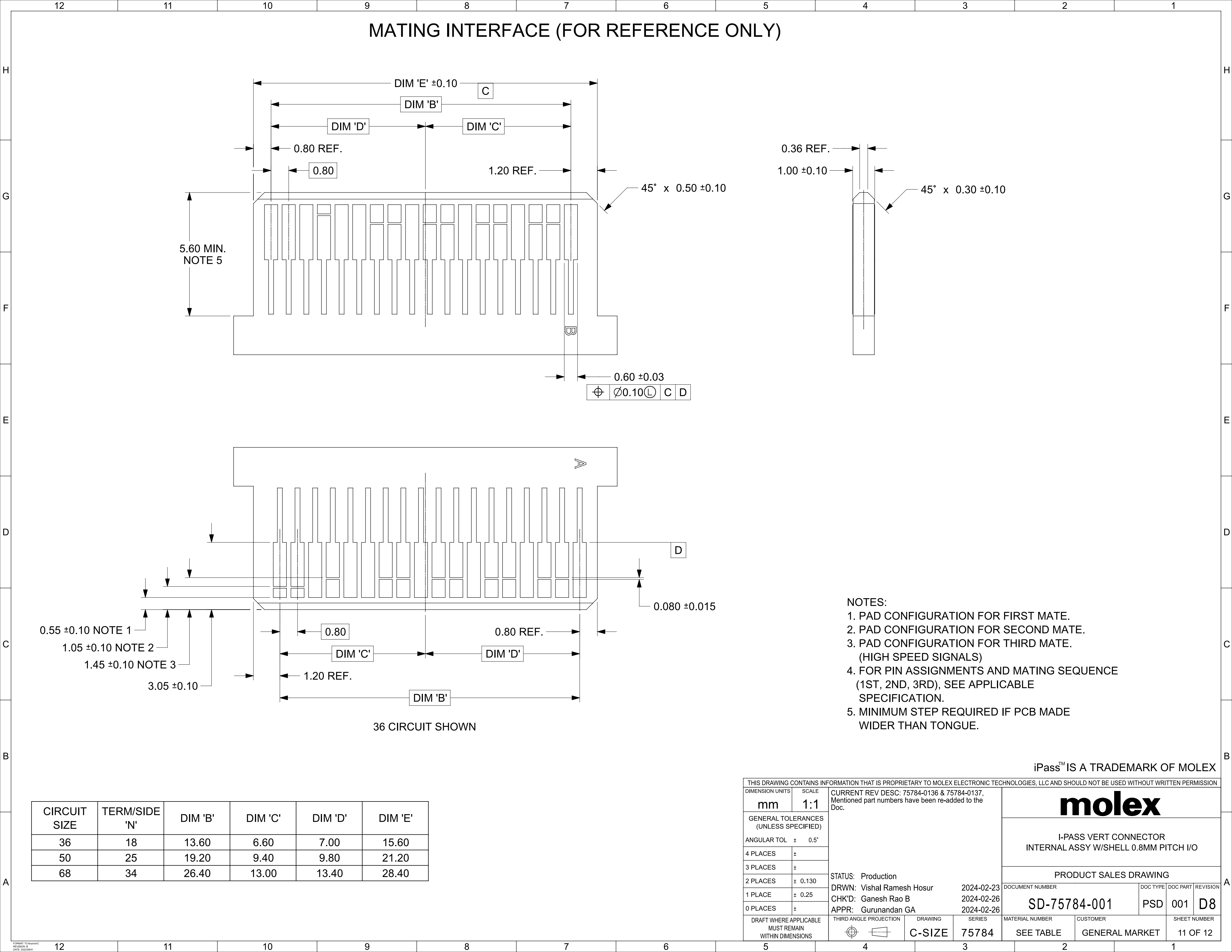
SHEET NUMBER 11 OF 12

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molex

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

PRODUCT SALES DRAWING



MATING INTERFACE (FOR REFERENCE ONLY)

NOTES:

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

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: 75784-0136 & 75784-0137, Mentioned part numbers have been re-added to the Doc.					
mm		1:1							
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			
STATUS: Production				DRWN: Vishal Ramesh Hosur		2024-02-23		DOCUMENT NUMBER	
CHK'D: Ganesh Rao B				APPR: Gurunandan GA		2024-02-26		SD-75784-001	
MATERIAL NUMBER				CUSTOMER		DOC TYPE		DOC PART	
SEE TABLE				GENERAL MARKET		PSD		001	
SHEET NUMBER				11 OF 12		REVISION		D8	

MATING INTERFACE (FOR REFERENCE ONLY)

The figure consists of three main views: a top view, a side view, and a front view.

- Top View:** Shows the overall dimensions of the mating interface. Key dimensions include:
 - DIM 'E' ±0.10
 - DIM 'B'
 - DIM 'D'
 - DIM 'C'
 - 0.80 REF.
 - 0.80
 - 1.20 REF.
 - 45° x 0.50 ±0.10
 - 0.60 ±0.03
 - Ø0.10
 - C D
- Side View:** Shows the profile of the mating interface. Key dimensions include:
 - 0.36 REF.
 - 1.00 ±0.10
 - 45° x 0.30 ±0.10
- Front View:** Shows the internal structure of the mating interface. Key dimensions include:
 - 5.60 MIN. NOTE 5
 - 0.55 ±0.10 NOTE 1
 - 1.05 ±0.10 NOTE 2
 - 1.45 ±0.10 NOTE 3
 - 3.05 ±0.10
 - 0.80
 - 0.80 REF.
 - 1.20 REF.
 - DIM 'C'
 - DIM 'D'
 - DIM 'B'
 - 36 CIRCUIT SHOWN
 - 0.080 ±0.015
 - D

NOTES:

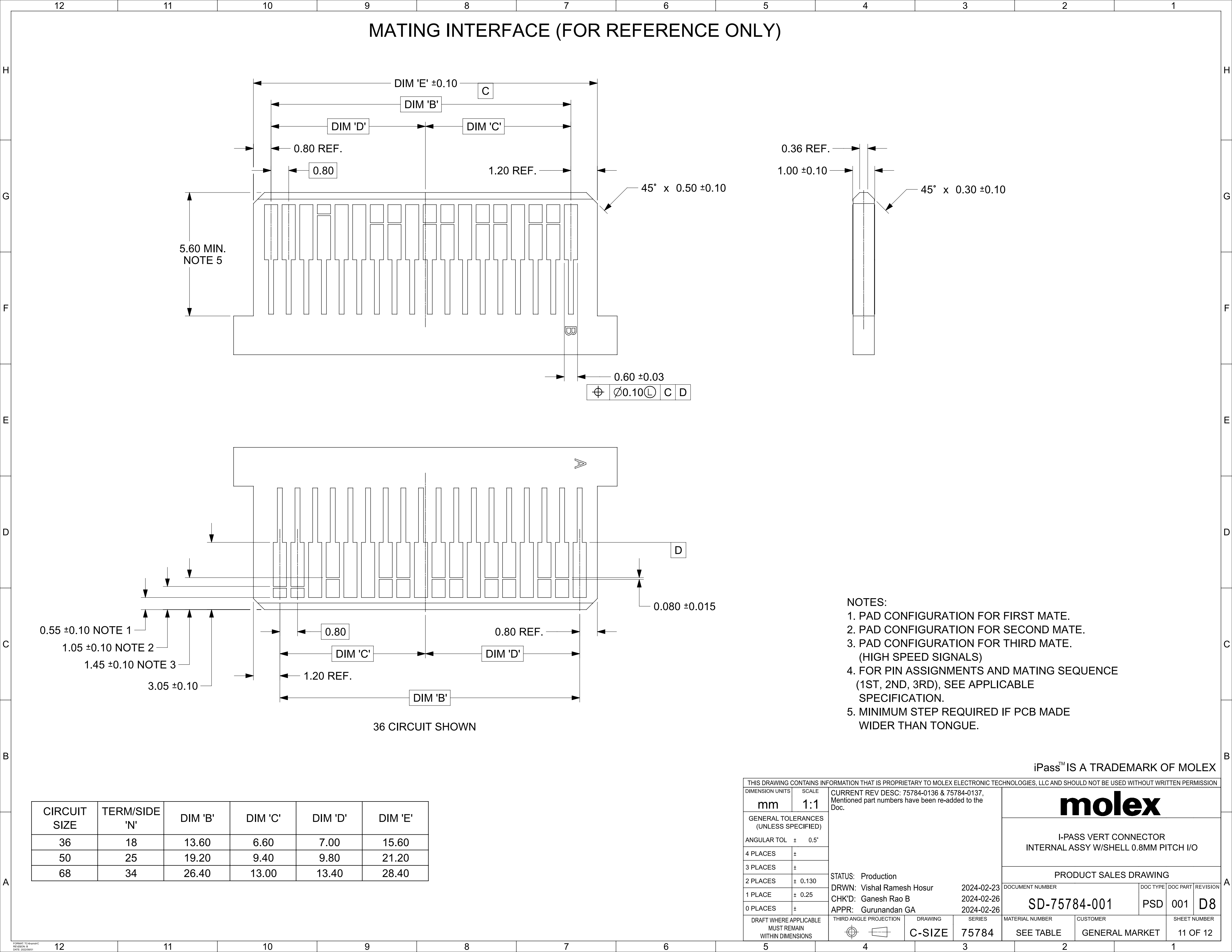
- PAD CONFIGURATION FOR FIRST MATE.
- PAD CONFIGURATION FOR SECOND MATE.
- PAD CONFIGURATION FOR THIRD MATE. (HIGH SPEED SIGNALS)
- FOR PIN ASSIGNMENTS AND MATING SEQUENCE (1ST, 2ND, 3RD), SEE APPLICABLE SPECIFICATION.
- MINIMUM STEP REQUIRED IF PCB MADE WIDER THAN TONGUE.

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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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: 75784-0136 & 75784-0137, Mentioned part numbers have been re-added to the Doc.			
DIMENSION UNITS	SCALE				
mm	1:1				
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	

STATUS: Production		2024-02-23			
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DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
SD-75784-001		PSD	001	D8	
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
SEE TABLE		GENERAL MARKET		11 OF 12	



MATING INTERFACE (FOR REFERENCE ONLY)

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SHEET NUMBER				11 OF 12		REVISION		D8	

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			C-SIZE	75784	

PRODUCT SALES DRAWING		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
		SD-75784-001		PSD	001	D8
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
SEE TABLE		GENERAL MARKET		11 OF 12		

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