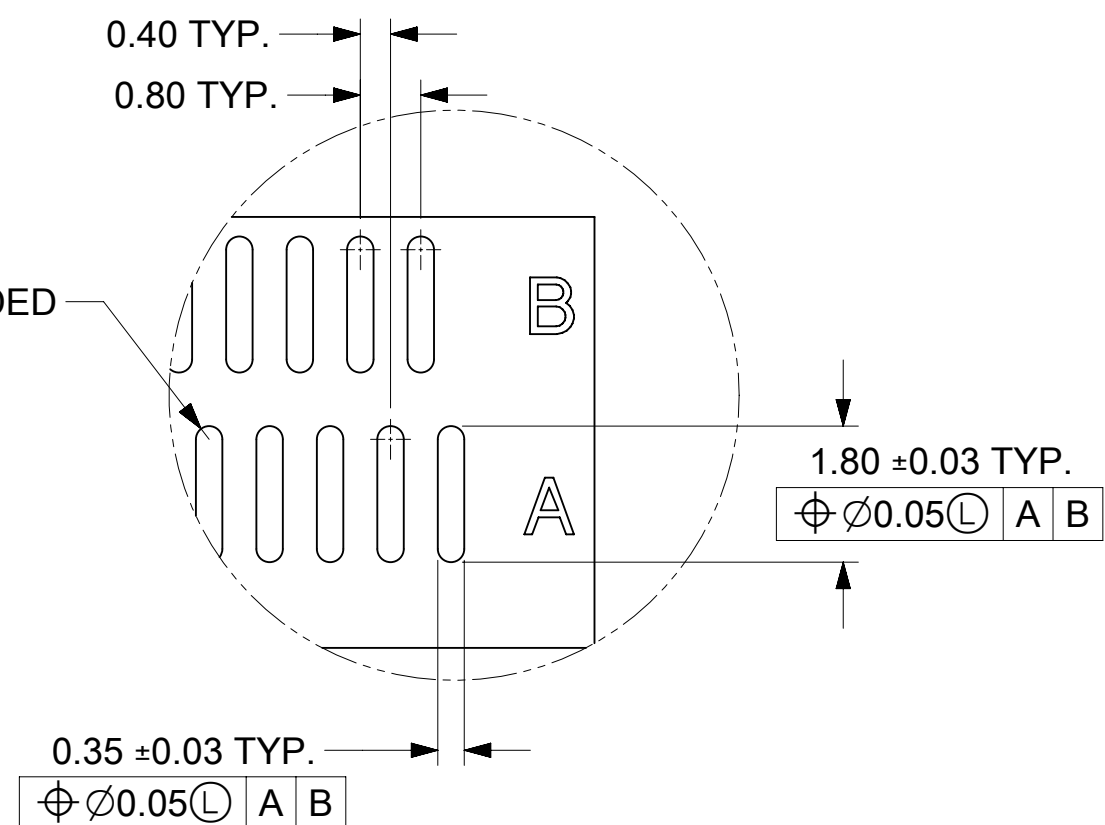


The diagram shows a central box labeled 'A'. Surrounding it are several nested rectangular regions. The outermost region is labeled 'DIM 'E''. Inside this, there is a region labeled 'DIM 'A''. Below 'DIM 'A'', there are two parallel regions labeled 'DIM 'B''. At the bottom, there are two parallel regions labeled 'DIM 'D'' and 'DIM 'C''.

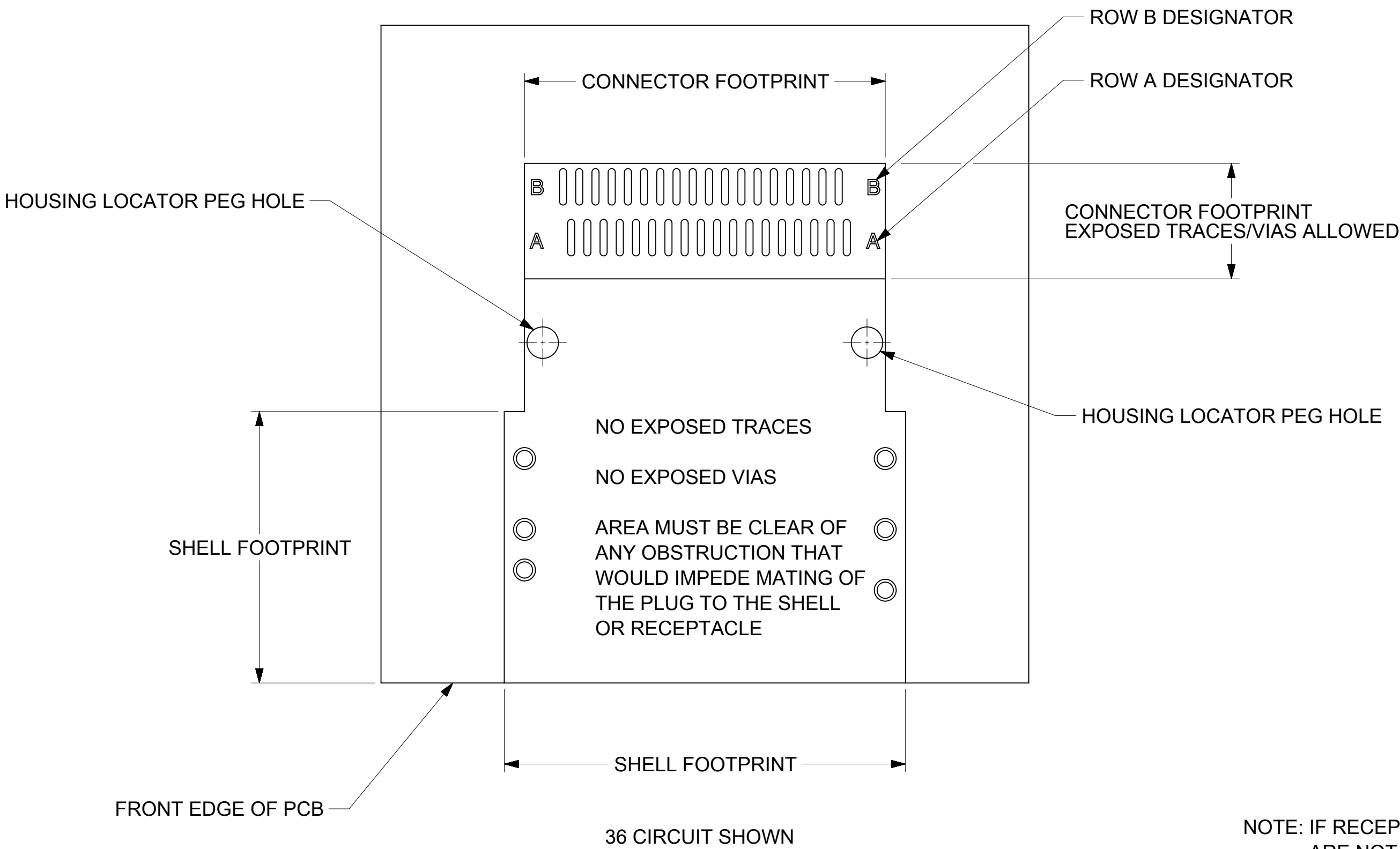


	PEG TO PEG	FIRST PAD TO LAST PAD	CENTERLINE TO PAD	CENTERLINE TO PAD	CONNECTOR WIDTH SHELL PEG TO PEG	SHELL FOOTPRINT WIDTH	CENTERLINE TO PAD EDGE
CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'
36	16.00	14.00	6.60	7.00	17.80	20.80	8.825
50	21.60	19.60	9.40	9.80	23.40	26.40	11.625
68	28.80	26.80	13.00	13.40	30.60	33.60	15.225

CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'
36	16.00	14.00	6.60	7.00	17.80	20.80	8.825
50	21.60	19.60	9.40	9.80	23.40	26.40	11.625
68	28.80	26.80	13.00	13.40	30.60	33.60	15.225

RIGHT ANGLE CONNECTOR WITH SHELL

PCB FOOT PRINT DESCRIPTIONS

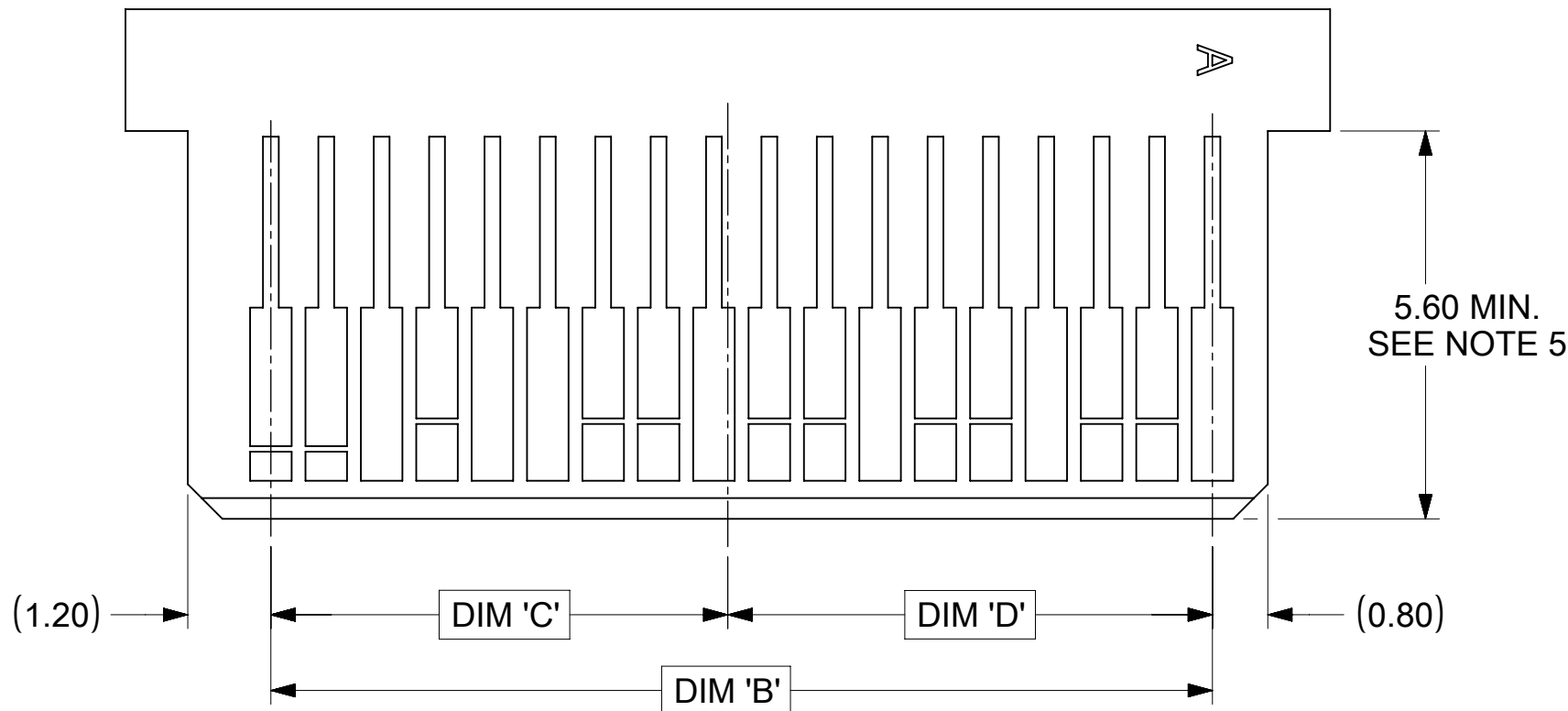
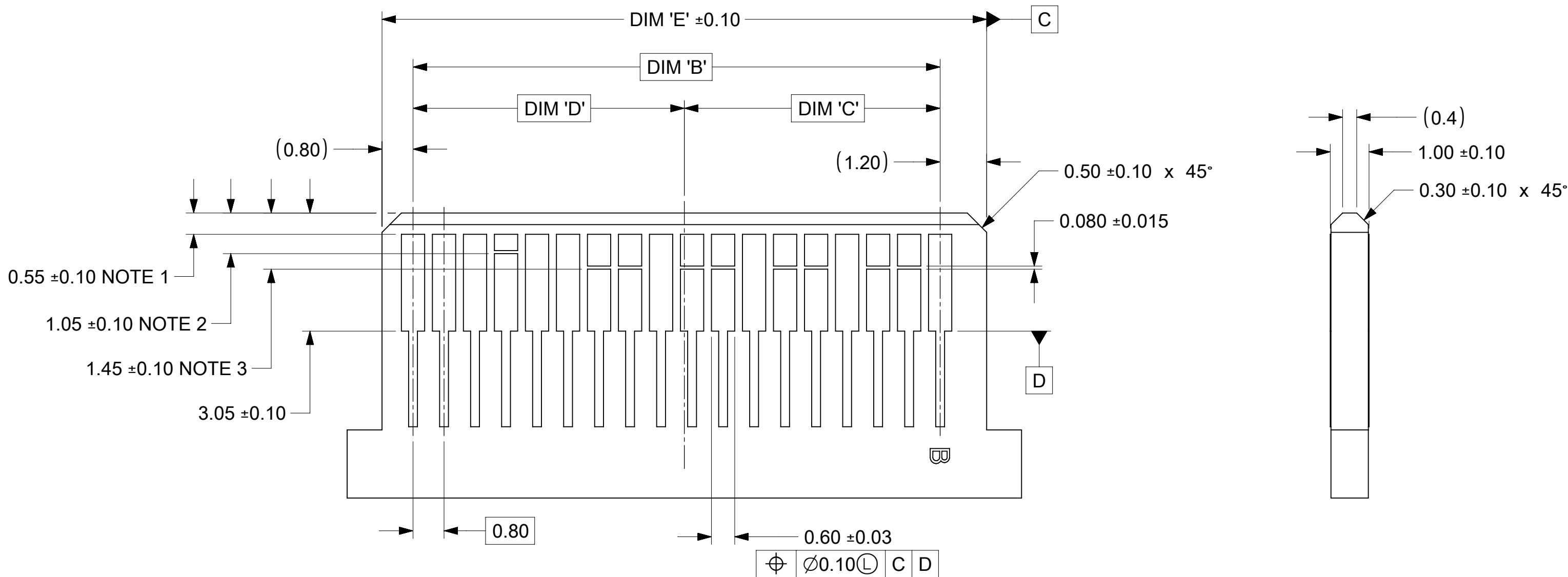


NOTE: IF RECEPTACLE AND SHELL ARE NOT PLACED AT EDGE OF PCB AS SHOWN, ADDITIONAL CLEARANCE IS NEEDED FOR BODY OF PLUG AND CABLE

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 AS PER PCN#511683.			molex I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O			
mm		5:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 755035 DRWN: ANIKES1 2023/03/30 CHK'D: GGA 2023/06/29 APPR: GGA 2023/06/29						
ANGULAR TOL		±	0.5 °							
4 PLACES		±								
3 PLACES		±								
2 PLACES		±	0.13							
1 PLACE		±	0.25	INITIAL REVISION:			DOCUMENT NUMBER SD-75783-001			
0 PLACES		±		DRWN: KLANG 2005/04/15 APPR: RNELSON 2005/04/18						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
						C-SIZE	75783	SEE TABLE	GENERAL MARKET	3 OF 12

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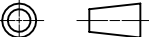
MATING INTERFACE (FOR REFERENCE ONLY)



36 CIRCUIT SHOWN

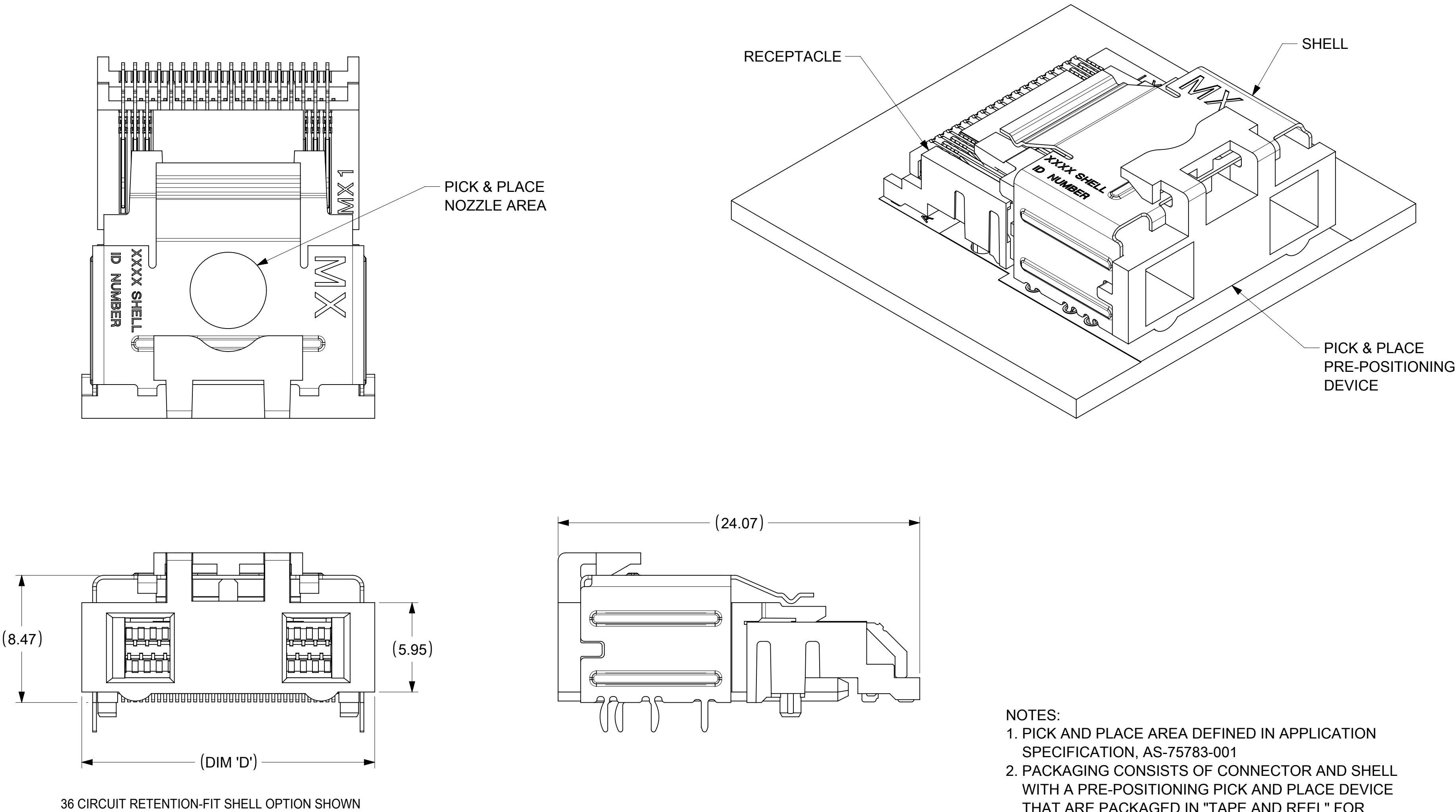
- NOTES:
- PAD CONFIGURATION FOR FIRST MATE.
 - PAD CONFIGURATION FOR SECOND MATE.
 - PAD CONFIGURATION FOR THIRD MATE.
(HIGH SPEED SIGNALS)
 - FOR PIN ASSIGNMENTS AND MATING SEQUENCE
(1ST, 2ND, 3RD), SEE APPLICABLE
SPECIFICATION.
 - MINIMUM STEP REQUIRED IF PCB MADE
WIDER THAN TONGUE.

CIRCUIT SIZE	DIM 'A'	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 AS PER PCN#511683.			molex						
mm		10:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 755035 DRWN: ANIKES12023/03/30 CHK'D: GGA2023/06/29 APPR: GGA2023/06/29			I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O						
ANGULAR TOL ± 0.5 °													
4 PLACES ±							PRODUCT CUSTOMER DRAWING						
3 PLACES ±													
2 PLACES ± 0.13				INITIAL REVISION: DRWN: KLANG2005/04/15 APPR: RNELSON2005/04/18			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
1 PLACE ± 0.25							SD-75783-001		PSD	001	F2		
0 PLACES ±				THIRD ANGLE PROJECTION		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						DRAWING C-SIZE		SERIES 75783		SEE TABLE		GENERAL MARKET	4 OF 12

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ASSEMBLY WITH PRE-POSITION DEVICE



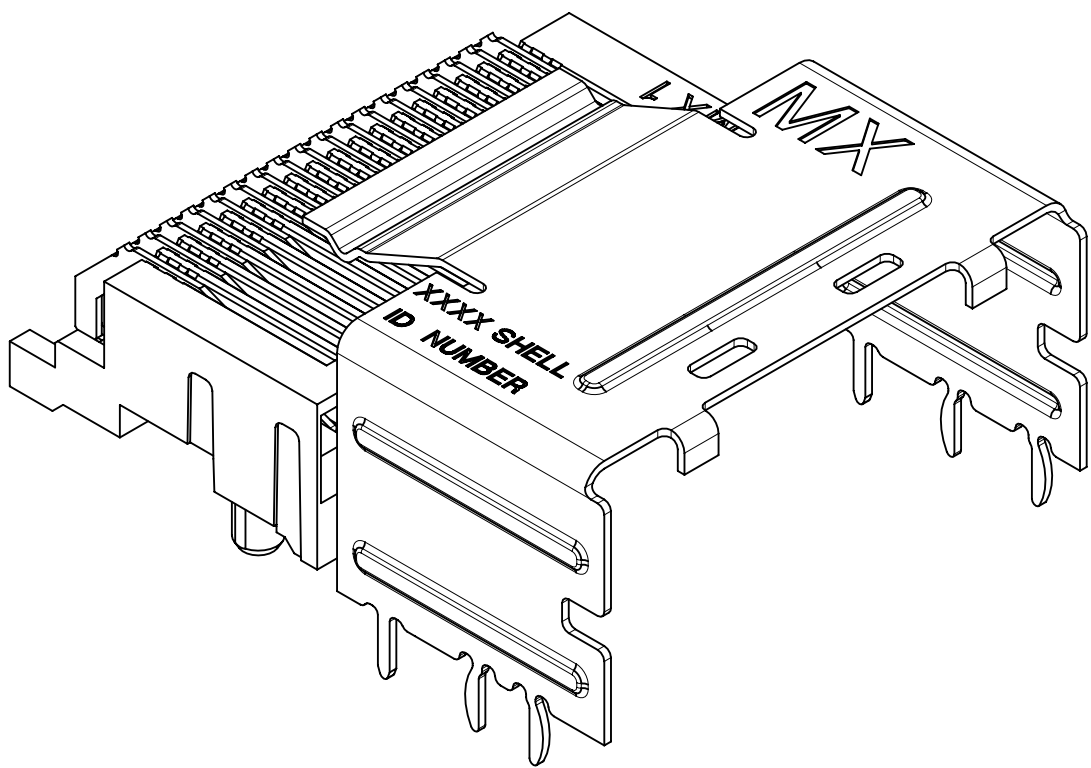
- NOTES:
- 1. PICK AND PLACE AREA DEFINED IN APPLICATION SPECIFICATION, AS-75783-001
 - 2. PACKAGING CONSISTS OF CONNECTOR AND SHELL WITH A PRE-POSITIONING PICK AND PLACE DEVICE THAT ARE PACKAGED IN "TAPE AND REEL" FOR ROBOTIC PICK AND PLACE.

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

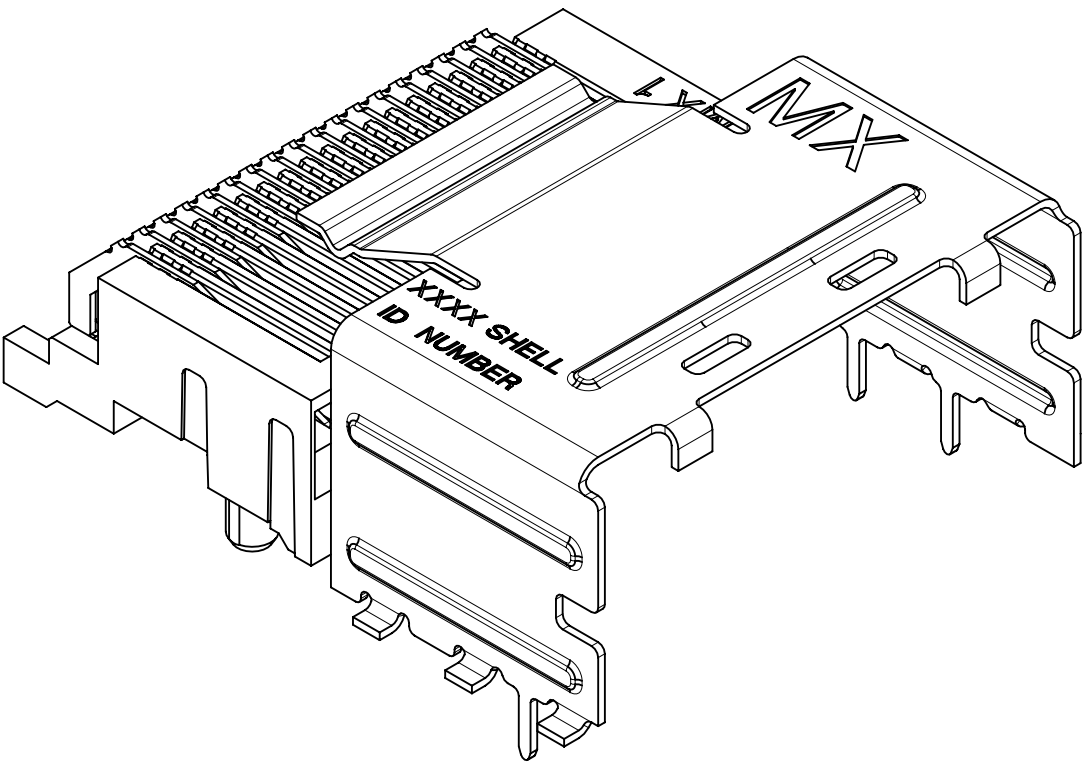
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS	SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683.			molex				
mm	5:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 755035 DRWN: ANIKES1 2023/03/30 CHK'D: GGA 2023/06/29 APPR: GGA 2023/06/29 INITIAL REVISION: DRWN: KLANG 2005/04/15 APPR: RNELSON 2005/04/18			I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O				
ANGULAR TOL	± 0.5°				PRODUCT CUSTOMER DRAWING				
4 PLACES	±				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
3 PLACES	±				SD-75783-001		PSD	001	F2
2 PLACES	± 0.13				MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
1 PLACE	± 0.25	THIRD ANGLE PROJECTION		DRAWING	SERIES	SEE TABLE	GENERAL MARKET		5 OF 12
0 PLACES	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		C-SIZE	75783				

DOCUMENT STATUS	P1	RELEASE DATE	2023/06/29	13:27:16
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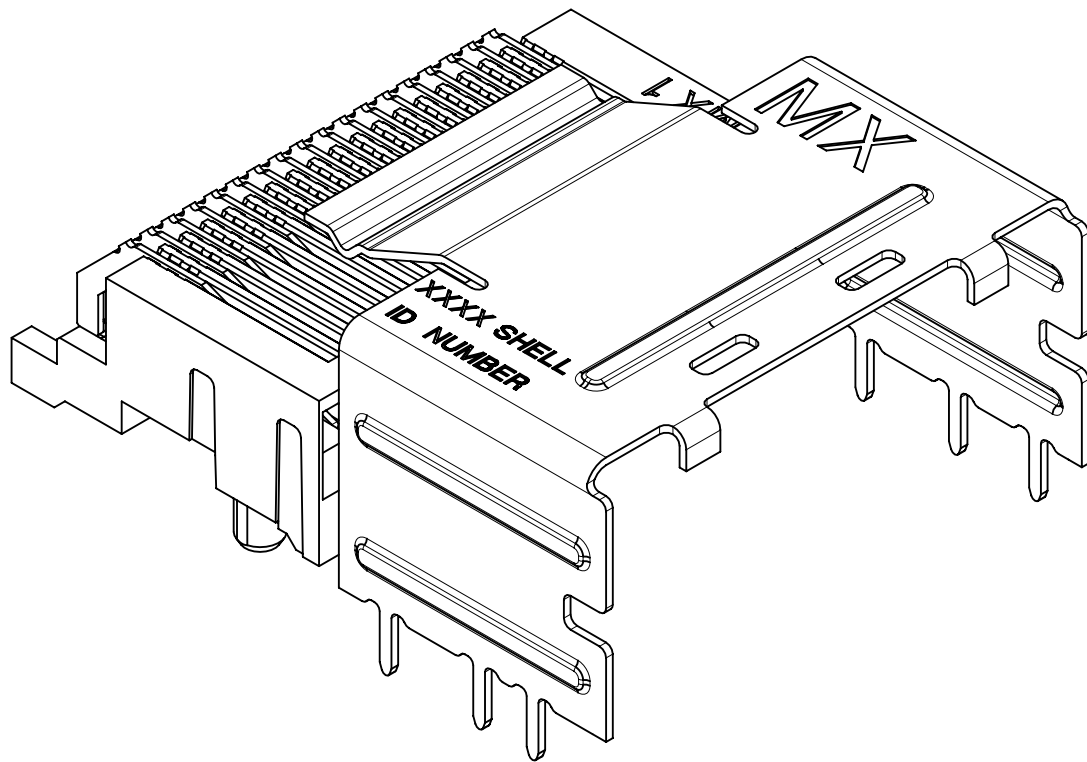
SHELL PCB INTERFACE



RETENTION-FIT
SHELL OPTION



SMT SHELL OPTION



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

RECOMMENDED PCB THICKNESS
FOR SPECIFIED TAIL LENGTH

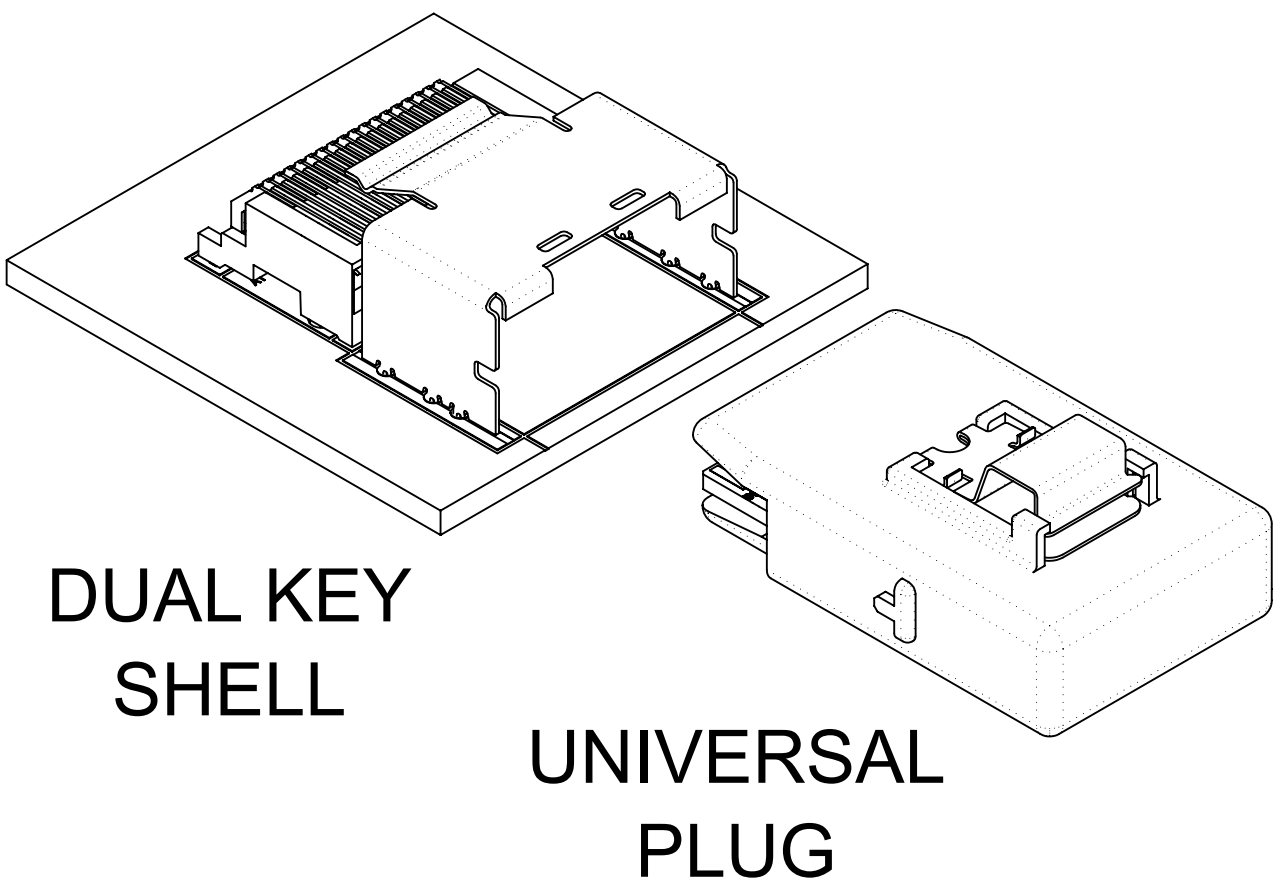
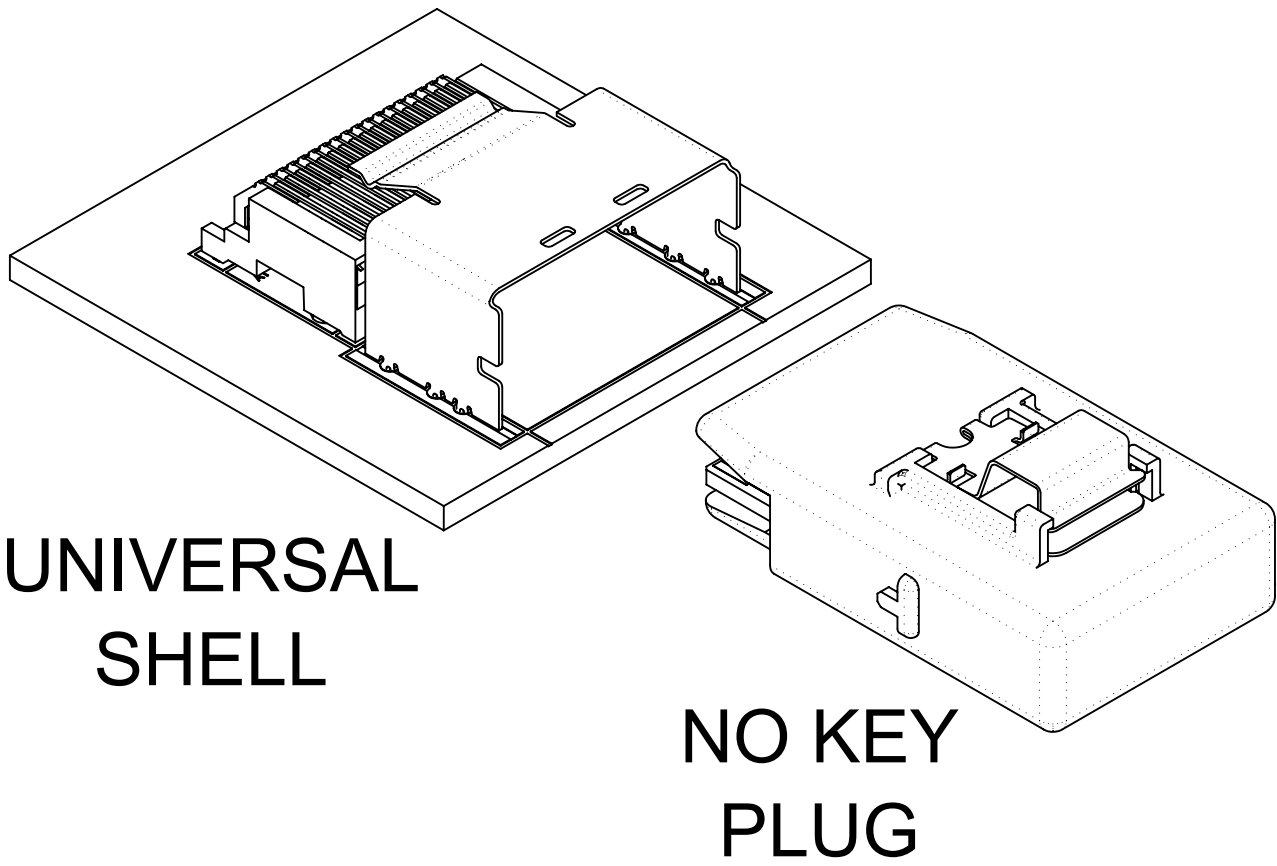
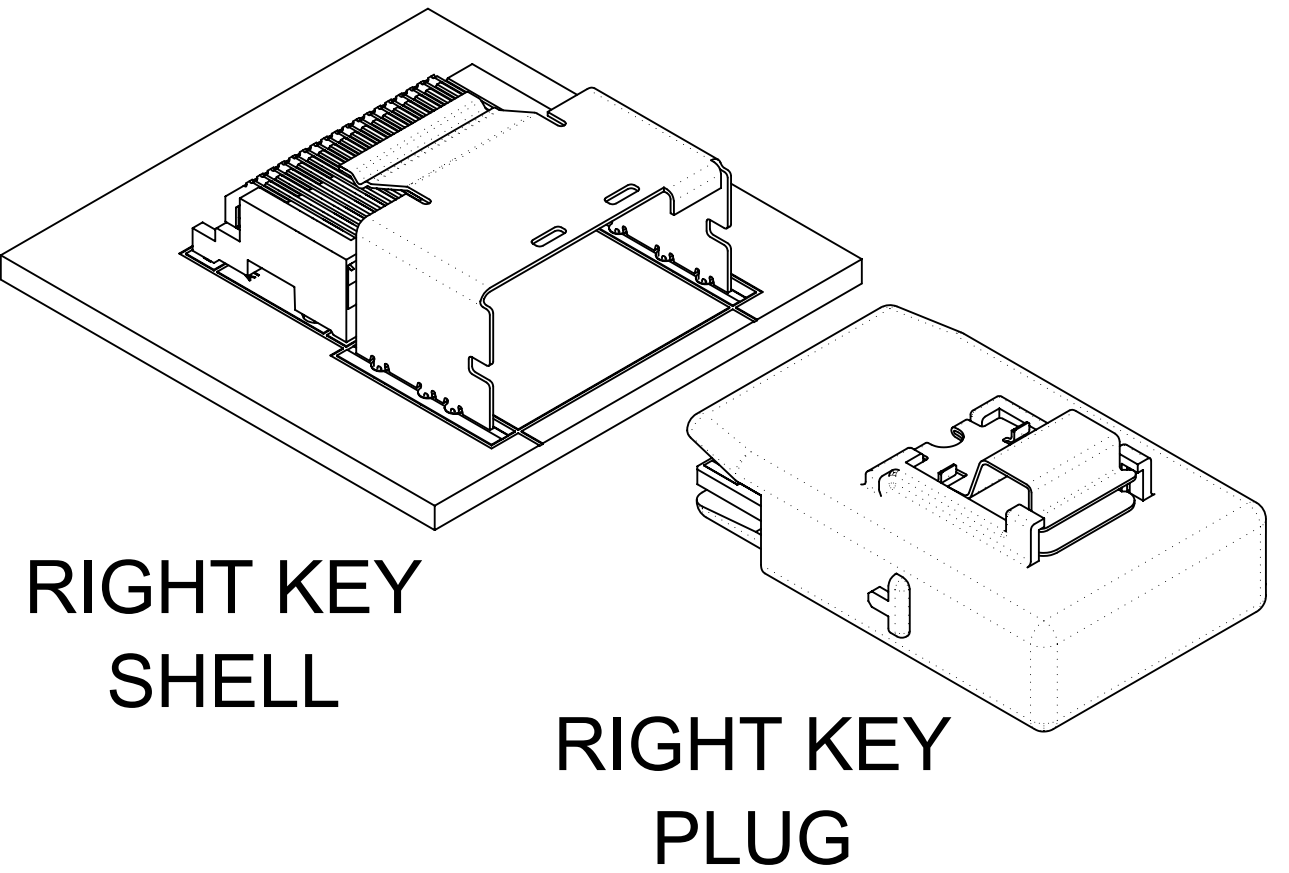
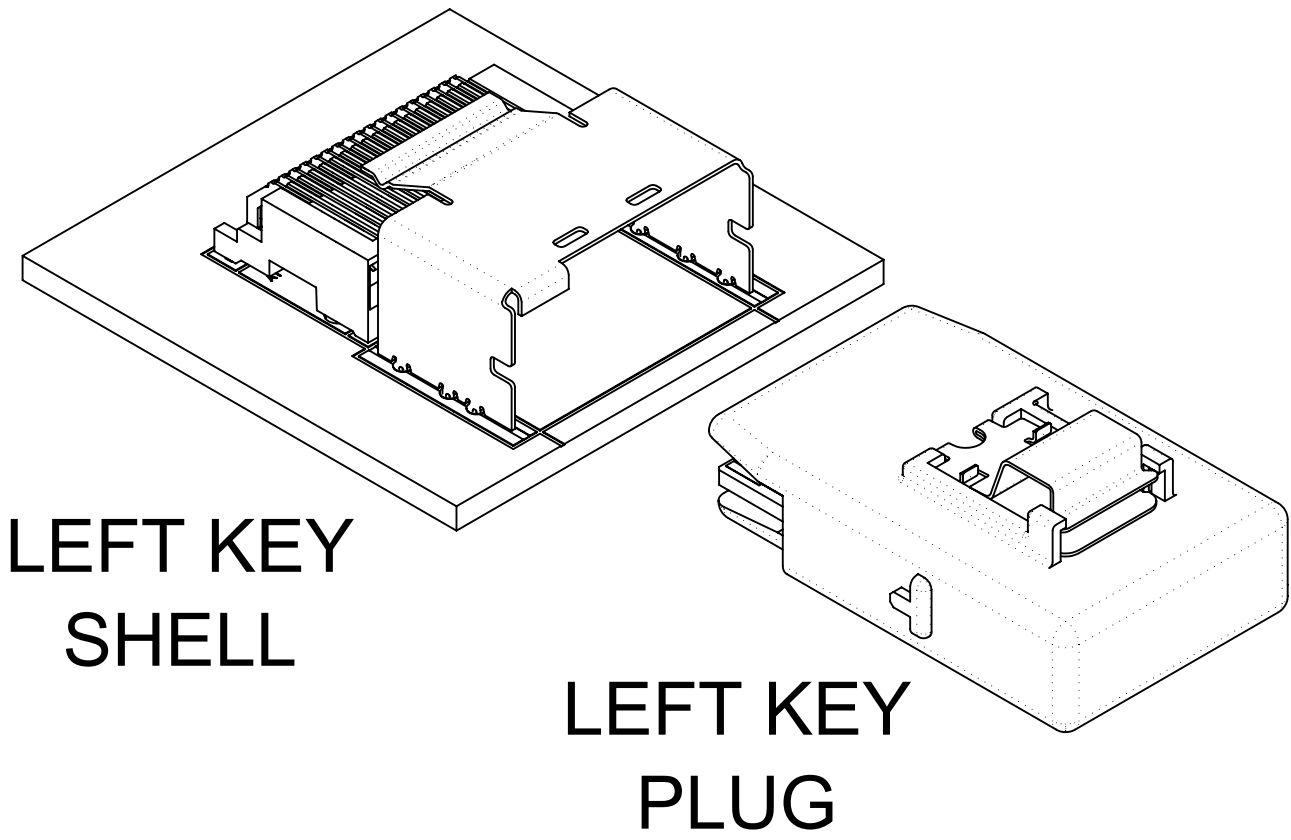
TAIL LENGTH	PCB THICKNESS
1.96	1.57(.062)
2.79	2.36(.093)
3.18	2.79(.110)
3.56	3.18(.125)

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

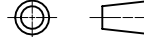
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683.				molex I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O			
mm		5:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)											
ANGULAR TOL		± 0.5 °		EC NO: 755035 DRWN: ANIKES12023/03/30 CHK'D: GGA2023/06/29 APPR: GGA2023/06/29				PRODUCT CUSTOMER DRAWING			
4 PLACES		±									
3 PLACES		±									
2 PLACES		± 0.13									
1 PLACE		± 0.25									
0 PLACES		±		INITIAL REVISION: DRWN: KLANG2005/04/15 APPR: RNELSON2005/04/18				DOCUMENT NUMBER SD-75783-001			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOC TYPE PSD	
						C-SIZE		75783		DOC PART 001	
								REVISION F2			
						</					

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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

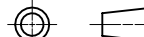
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683.				molex I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O				
mm		1:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 755035 DRWN: ANIKES1 CHK'D: GGA APPR: GGA 2023/03/30 2023/06/29 2023/06/29				PRODUCT CUSTOMER DRAWING				
ANGULAR TOL		± 0.5 °										
4 PLACES		±										
3 PLACES		±										
2 PLACES		± 0.13										
1 PLACE		± 0.25		INITIAL REVISION: DRWN: KLANG APPR: RNELSON 2005/04/15 2005/04/18				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
0 PLACES		±						SD-75783-001		PSD	001	F2
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
						C-SIZE	75783	SEE TABLE		GENERAL MARKET		7 OF 12

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36 CIRCUIT ITEM NUMBERS

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
36	75783-0107	OPTION 1	RETENTION	LEFT
36	75783-0112	OPTION 1	SMT	DUAL
36	75783-0121	OPTION 2	RETENTION	DUAL
36	75783-0122	OPTION 2	SMT	LEFT
36	75783-0125	OPTION 1	RETENTION	UNIVERSAL
36	75783-0126	OPTION 1	SMT	UNIVERSAL
36	75783-0127	OPTION 2	RETENTION	UNIVERSAL
36	75783-0128	OPTION 2	SMT	UNIVERSAL
36	75783-0132	OPTION 1	T/H 1.96	UNIVERSAL
36	75783-0133	OPTION 2	T/H 1.96	LEFT
36	75783-0170	OPTION 1	T/H 1.40	UNIVERSAL

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
36	75783-0137	OPTION 1	T/H 2.79	LEFT
36	75783-0140	OPTION 1	T/H 2.79	UNIVERSAL
36	75783-0144	OPTION 2	T/H 2.79	UNIVERSAL
36	75783-0150	OPTION 2	T/H 3.18	RIGHT
36	75783-0155	OPTION 1	T/H 3.56	DUAL
36	75783-0156	OPTION 1	T/H 3.56	UNIVERSAL

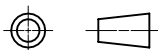
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
DIMENSION UNITS mm		SCALE 1:1		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683. EC NO: 755035 DRWN: ANIKES12023/03/30 CHK'D: GGA2023/06/29 APPR: GGA2023/06/29 INITIAL REVISION: DRWN: KLANG2005/04/15 APPR: RNELSON2005/04/18			molex			
GENERAL TOLERANCES (UNLESS SPECIFIED)										
ANGULAR TOL ± 0.5 °							I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O			
4 PLACES ±										
3 PLACES ±				PRODUCT CUSTOMER DRAWING						
2 PLACES ± 0.13										
1 PLACE ± 0.25										
0 PLACES ±				DOCUMENT NUMBER SD-75783-001			DOC TYPE PSD	DOC PART 001	REVISION F2	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 		DRAWING C-SIZE	SERIES 75783	MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 8 OF 12

50 CIRCUIT ITEM NUMBERS

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
50	75783-0236	OPTION 2	T/H 1.96	UNIVERSAL

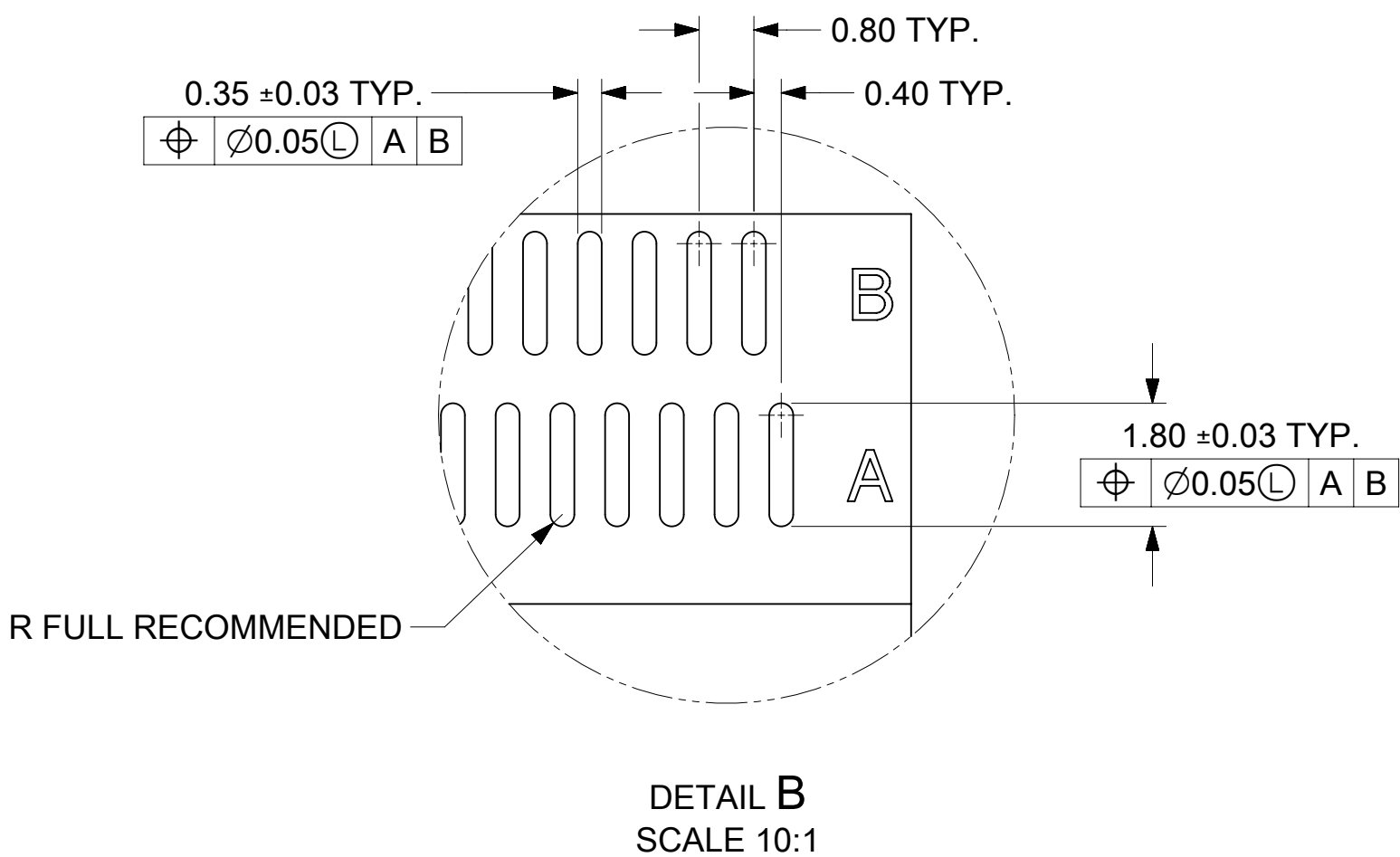
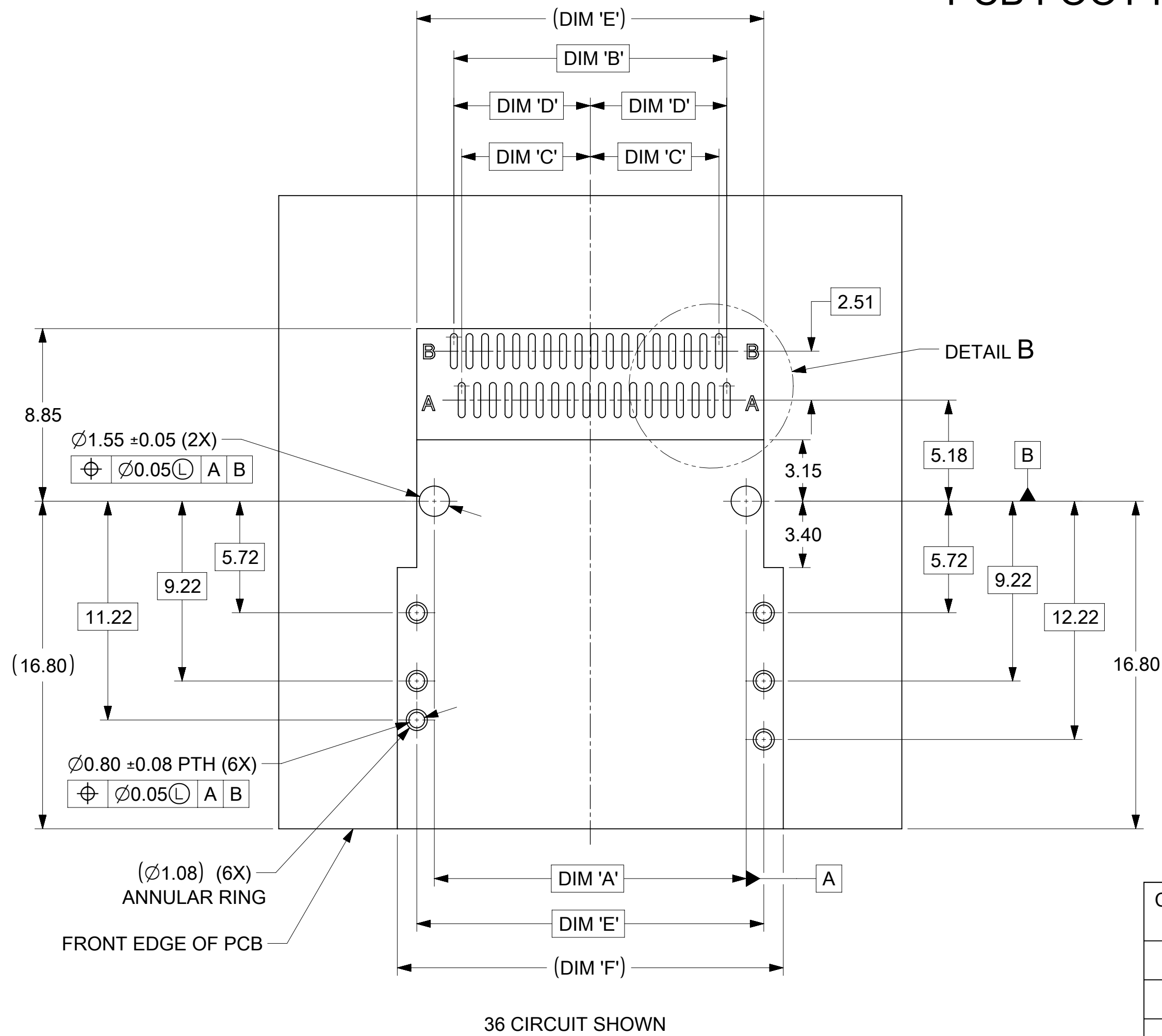
CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
50	75783-0252	OPTION 2	T/H 3.18	UNIVERSAL

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DIMENSION UNITS		SCALE		molex									
mm		1:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)													
ANGULAR TOL ± 0.5 °				I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O									
4 PLACES		±											
3 PLACES		±											
2 PLACES		± 0.13		PRODUCT CUSTOMER DRAWING									
1 PLACE		± 0.25											
0 PLACES		±											
EC NO: 755035				2023/03/30									
DRWN: ANIKES1													
CHK'D: GGA													
APPR: GGA				2023/06/29									
INITIAL REVISION:				DOCUMENT NUMBER SD-75783-001									
DRWN: KLANG		2005/04/15											
APPR: RNELSON		2005/04/18											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				C-SIZE		75783		SEE TABLE		GENERAL MARKET		9 OF 12	

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



	PEG TO PEG	FIRST PAD TO LAST PAD	CENTERLINE TO PAD	CENTERLINE TO PAD	CONNECTOR WIDTH SHELL PEG TO PEG	SHELL FOOTPRINT WIDTH
CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'
36	16.00	14.00	6.60	7.00	17.80	19.80
50	21.60	19.60	9.40	9.80	23.40	25.40
68	28.80	26.80	13.00	13.40	30.60	32.60

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DIMENSION UNITS

mm

SCALE

5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 0.5°

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.13

1 PLACE ± 0.25

0 PLACES ±

EC NO: 755035

DRWN: ANIKES1

CHK'D: GGA

APPR: GGA

INITIAL REVISION:

DRWN: KLANG

APPR: RNELSON

2023/03/30

2023/06/29

2023/06/29

2005/04/15

2005/04/18

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

C-SIZE

SERIES

75783

DOCUMENT NUMBER

CUSTOMER

SHEET NUMBER

SD-75783-001

GENERAL MARKET

11 OF 12

mo

lex

I-PASS R/A CONNECTOR

INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

PRODUCT CUSTOMER DRAWING

DOC TYPE

DOC PART

REVISION

PSD

001

F2

DATE	REV	DESCRIPTION
2018/03/20	F	1. REMASTERED FROM MODEL MANAGER
		2. SHEET 1, NOTE 3, COPLANAR DISTANCE CHANGED FROM 0.15 TO 0.10
2019/03/28	F1	1. RECREATED IN NX
		2. OBSOLETE PART NO 757830052,757830145,757830146,757830326
2023/03/30	F2	1)OBSOLETE PART NUMBERS AS PER PCN#511683(ECN-743800). 2)REMOVED SHEET 8 AND 26 CIRCUIT ITEM NUMBERS.

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DIMENSION UNITS	SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683.		molex I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O			
mm	1:1						
GENERAL TOLERANCES (UNLESS SPECIFIED)							
ANGULAR TOL	± 0.5 °						
4 PLACES	±	EC NO: 755035		PRODUCT CUSTOMER DRAWING			
3 PLACES	±	DRWN: ANIKES1	2023/03/30				
2 PLACES	± 0.13	CHK'D: GGA	2023/06/29				
1 PLACE	± 0.25	APPR: GGA	2023/06/29	INITIAL REVISION:			
0 PLACES	±	DRWN: KLANG	2005/04/15	DOCUMENT NUMBER			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
			C-SIZE	75783	SEE TABLE	GENERAL MARKET	12 OF 12