



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



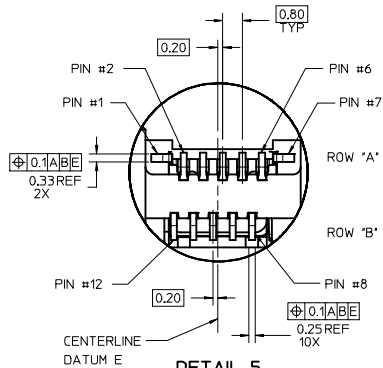
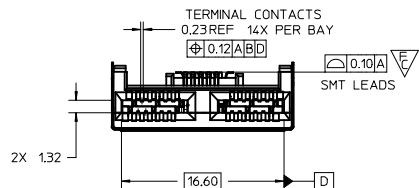
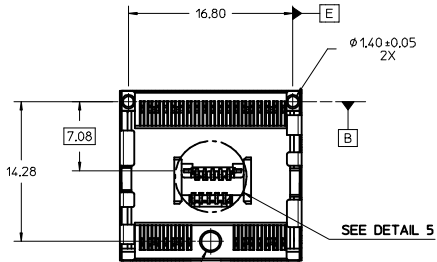
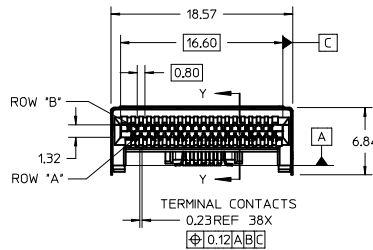
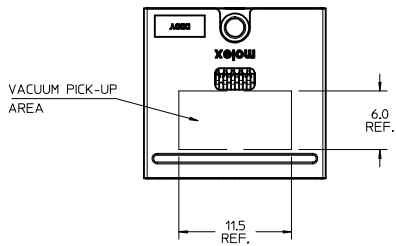
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

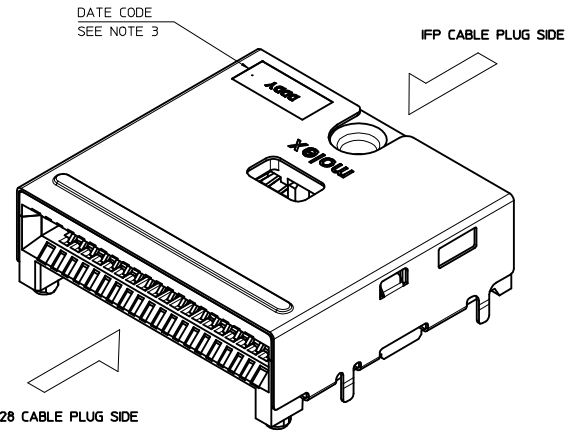
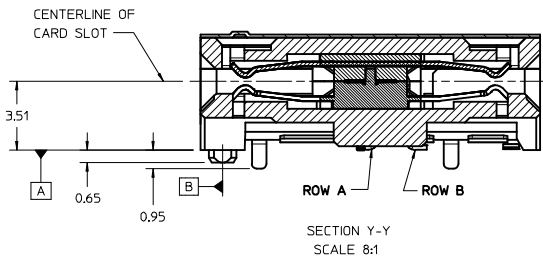
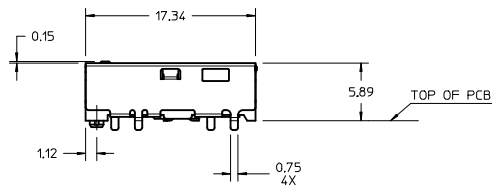
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





DETAIL 5
SCALE 10:1

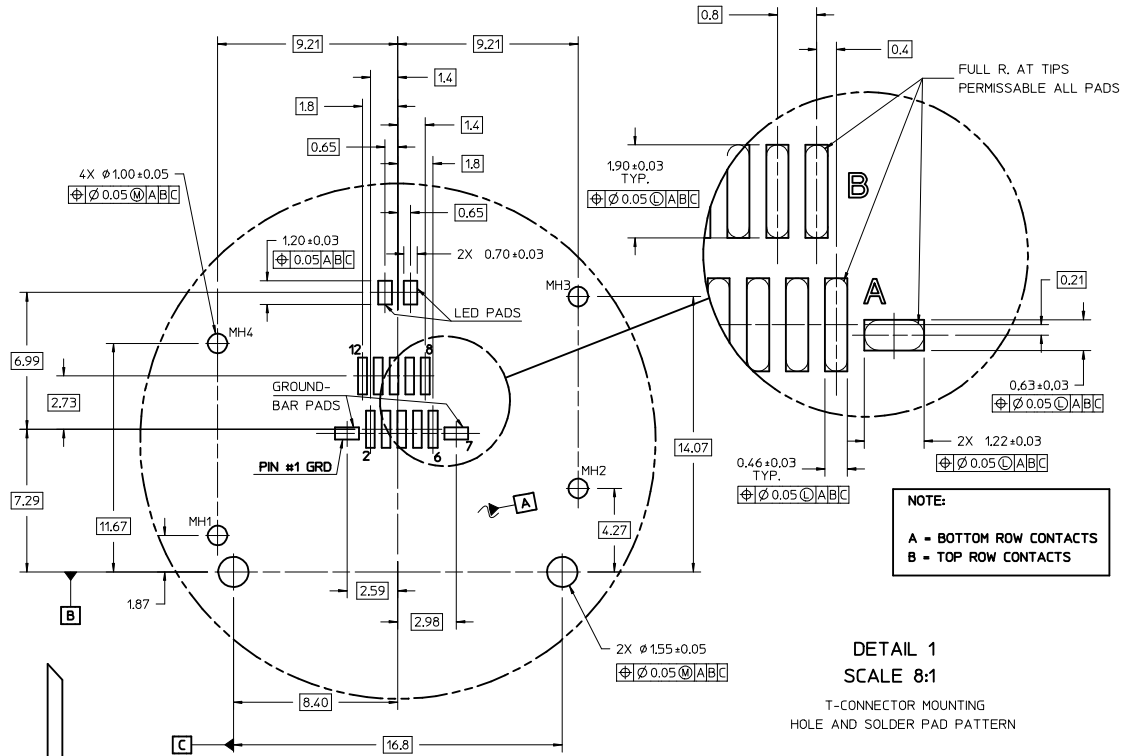
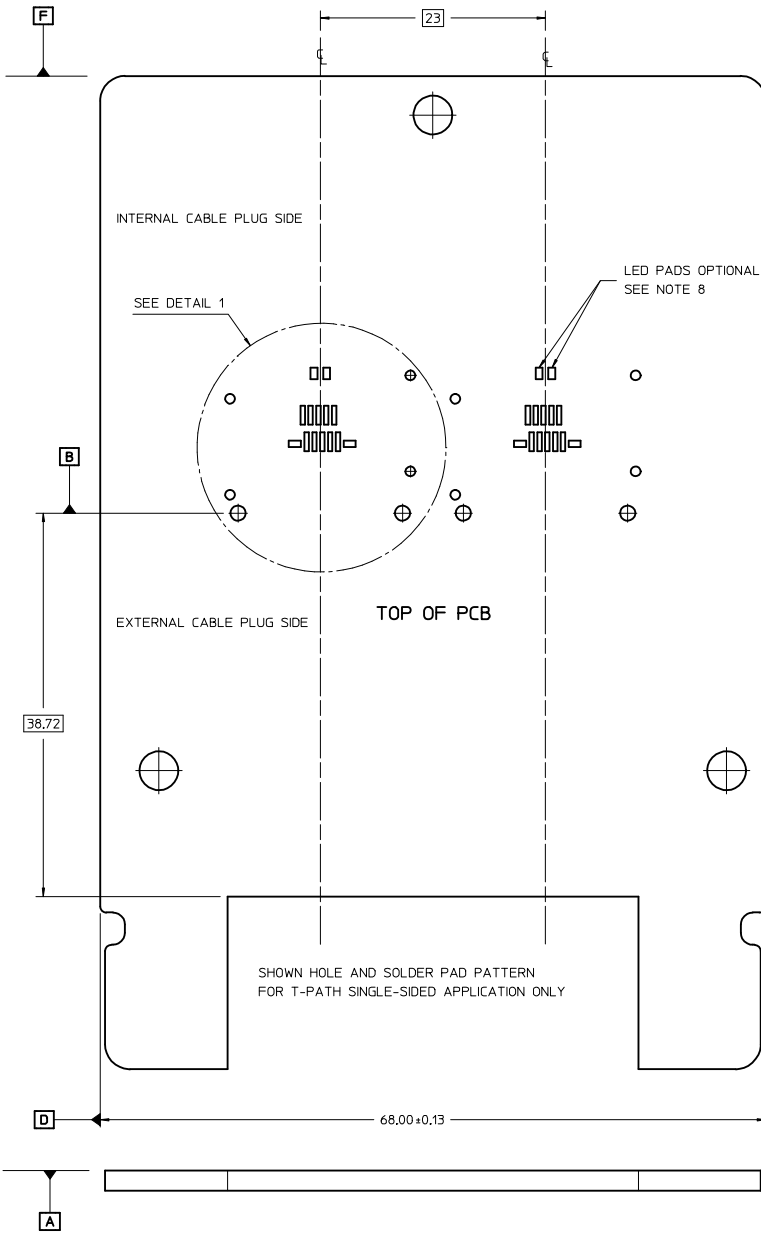


172604-0002
HARDTOP
T-PATH CONNECTOR
ASSEMBLY

NOTES:

- MATERIAL - HOUSING - HALOGEN FREE GLASS FILLED LCP
UL 94V-0, COLOR: BLACK
SHELLS: 0.15 THICK NICKEL-SILVER ALLOY, UNPLATED
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
- PLATING - CONTACT AREA - 0.76 μm MIN GOLD OVER 2.54 μm NICKEL
SOLDER AREA - 2.54 - 5.09 μm TIN OVER 2.54 μm MIN NICKEL
- DATE CODE: 4 DIGIT (3 DIGIT DAY, 1 DIGIT YEAR)
- CONFORMS TO PRODUCT SPECIFICATION: PS-172604-001
- CONNECTOR ASSEMBLY IS ROHS AND LOW HALOGEN COMPLIANT
- DIMENSIONS AND TOLERANCES CONFORM TO AMSE Y14.5 2009
- LED IS OPTIONAL. RECOMMENDED LED PACKAGE: 1608/0603 0.4mm HIGH MAX.
- PACKAGING: TAPE AND REEL. SEE SHEET 6
- CONNECTOR TO BE USED IN CONJUNCTION WITH EMI CAGES SHOWN ON DRAWING SD-172604-2100
- IFF CABLE PLUG TO HAVE 1.0mm THICK PCB.

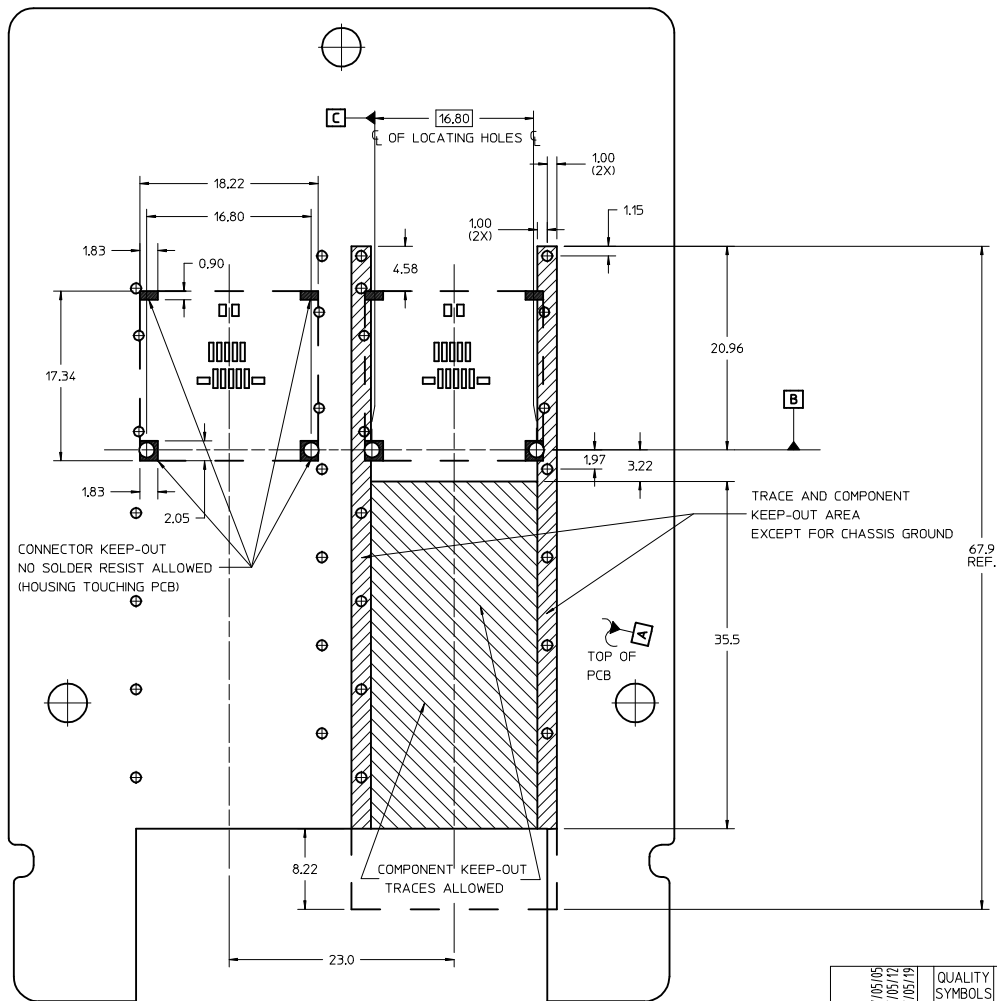
ADD 132 DIM EC NO. UCFP2017-2046 DRAWN BY: MWOLFE CHYKBARKER APPR: SMILLER 2017/05/05 2017/05/12 2017/05/19	QUALITY SYMBOLS ∇=0 ∇=1 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	mm	INCH	DRAWN BY MWOLFE	DATE 2016/07/01	TITLE T-PATH CONNECTOR HARDTOP ASSEMBLY	
		2 PLACES ± 0.13 ± ---	1 PLACE ± 0.25 ± ---	0 PLACE ± --- ± ---	ANGULAR ± 1/2°	APPROVED BY SMILLER	DATE 2017/05/19	MATERIAL NO. 172604-0002	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE D	DOCUMENT NO. SD-172604-0002		SHEET NO. 1 OF 4	



PCB LAYOUT FOR T-PATH CONNECTOR MOUNTING

FRONT OF CONNECTOR
(PLUG MODULE SIDE)

SEE SHEET 1 IEC NO: UCP2017-2046 DRAWN BY: MWOLFE 2017/05/05 CHECKED BY: CHYD BARKER 2017/05/12 APPR: SMILLER 2017/05/19	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	$\nabla=0$	mm INCH	MM ONLY	4:1	METRIC		
	$\nabla=0$	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE			
	$\nabla=0$	3 PLACES ± --- ± ---	MWOLFE 2016/07/01	T-PATH CONNECTOR HARDTOP ASSEMBLY			
$\nabla=0$	2 PLACES ± 0.13 ± ---	CHECKED BY DATE	MATERIAL NO. DOCUMENT NO.				
$\nabla=0$	1 PLACE ± 0.25 ± ---	SMILLER 2017/05/19	472604-0002 SD-172604-0002				
	0 PLACE ± --- ± ---	APPROVED BY DATE	SHEET NO.				
			2 OF 4				
		ANGULAR ± 1/2°	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					

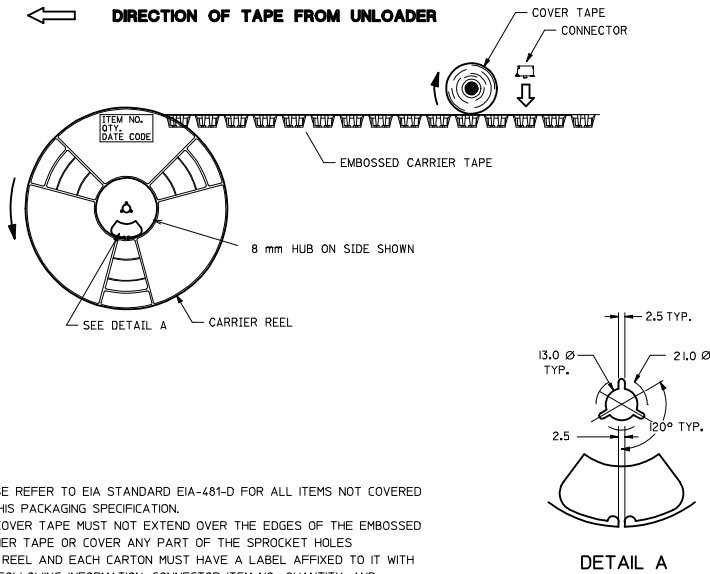


T-PATH CONNECTOR AND EMI CAGE
KEEP-OUT ZONES

SEE SHEET 1 IEC NO: UCP2017-2046 DRAWN BY: MWOLFE 2017/05/05 CHECKED BY: CHYD BARKER 2017/05/12 APPR: SMILLER 2017/05/19 REV DESCRIPTION	QUALITY SYMBOLS $\nabla=0$ $\nabla=0$ $\nabla=0$		GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>3 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>2 PLACES</td> <td>±0.13</td> <td>±---</td> </tr> <tr> <td>1 PLACE</td> <td>±0.25</td> <td>±---</td> </tr> <tr> <td>0 PLACE</td> <td>±---</td> <td>±---</td> </tr> </tbody> </table>			mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	±0.13	±---	1 PLACE	±0.25	±---	0 PLACE	±---	±---	DIMENSION STYLE MM ONLY		SCALE 4:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
		mm	INCH																											
	4 PLACES	±---	±---																											
	3 PLACES	±---	±---																											
2 PLACES	±0.13	±---																												
1 PLACE	±0.25	±---																												
0 PLACE	±---	±---																												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. 172604-0002		DATE 2016/07/01 2017/05/19		TITLE T-PATH CONNECTOR HARDTOP ASSEMBLY		DOCUMENT NO. SD-172604-0002																					
ANGLAR ±1/2°			SIZE D		APPROVED BY SMILLER		SHEET NO. 3 OF 4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					

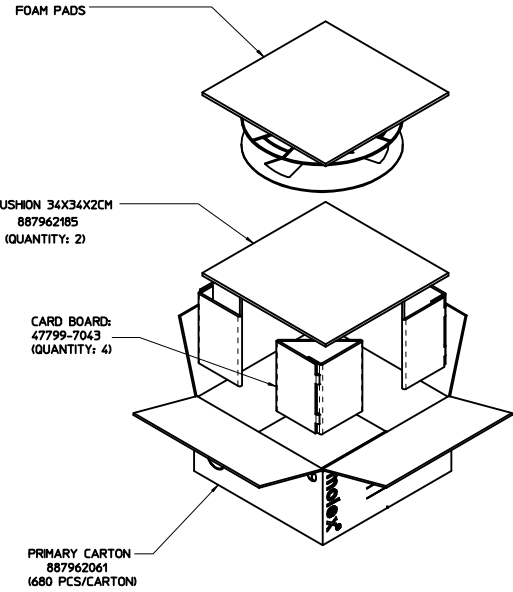
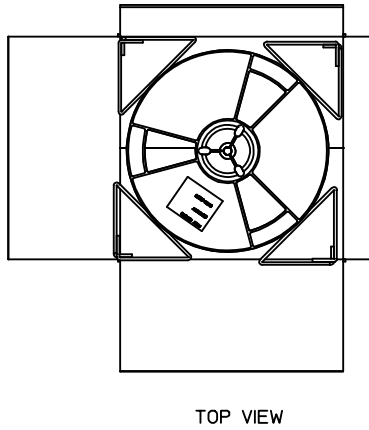
CKT SIZE **	PARTS PER REEL	REELS PER CARTON	PARTS PER CARTON	TRAILING EMPTY POCKETS **	LEADING EMPTY POCKETS **
28	300	1	300	20	20

** SEE NOTE 11



NOTES:

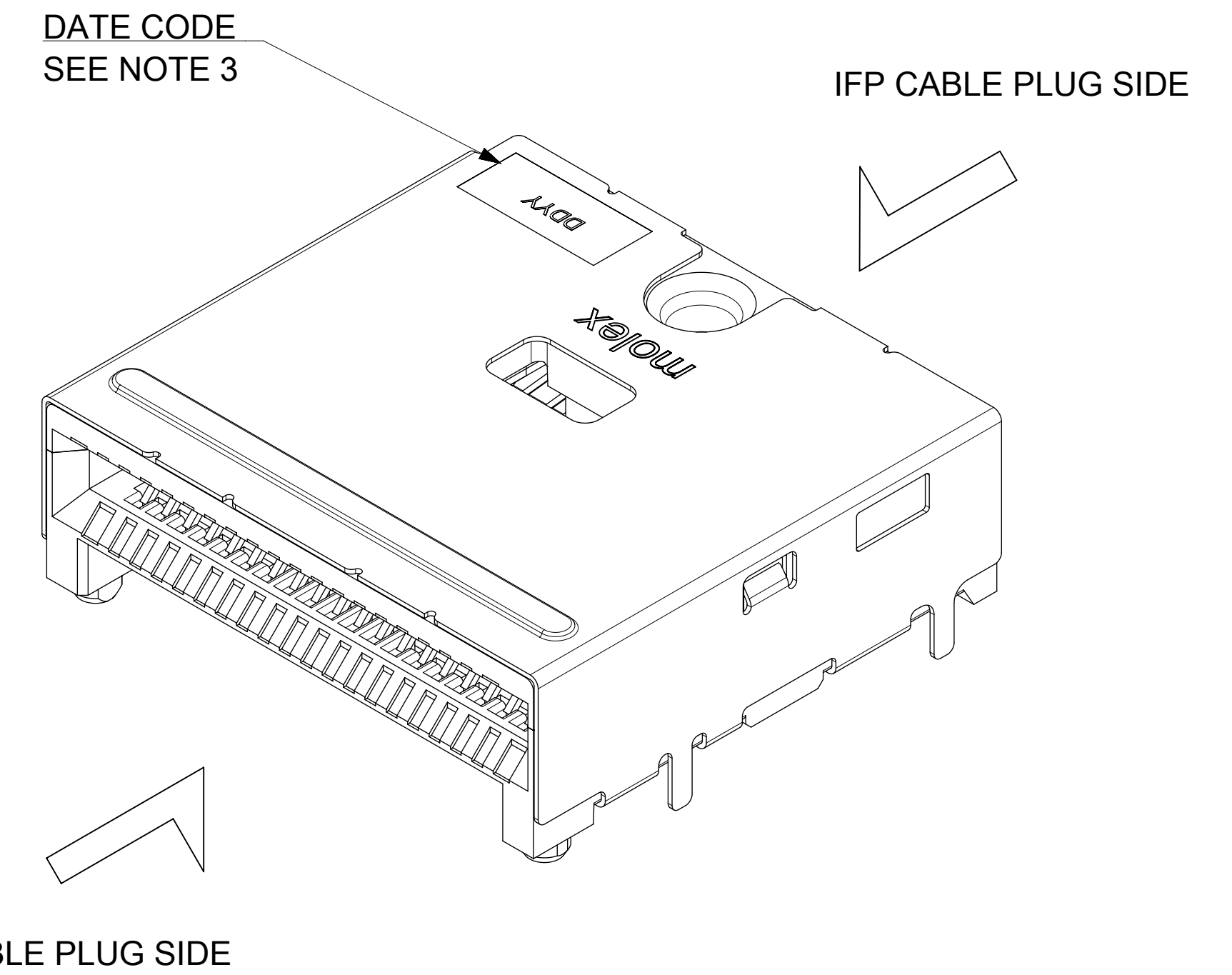
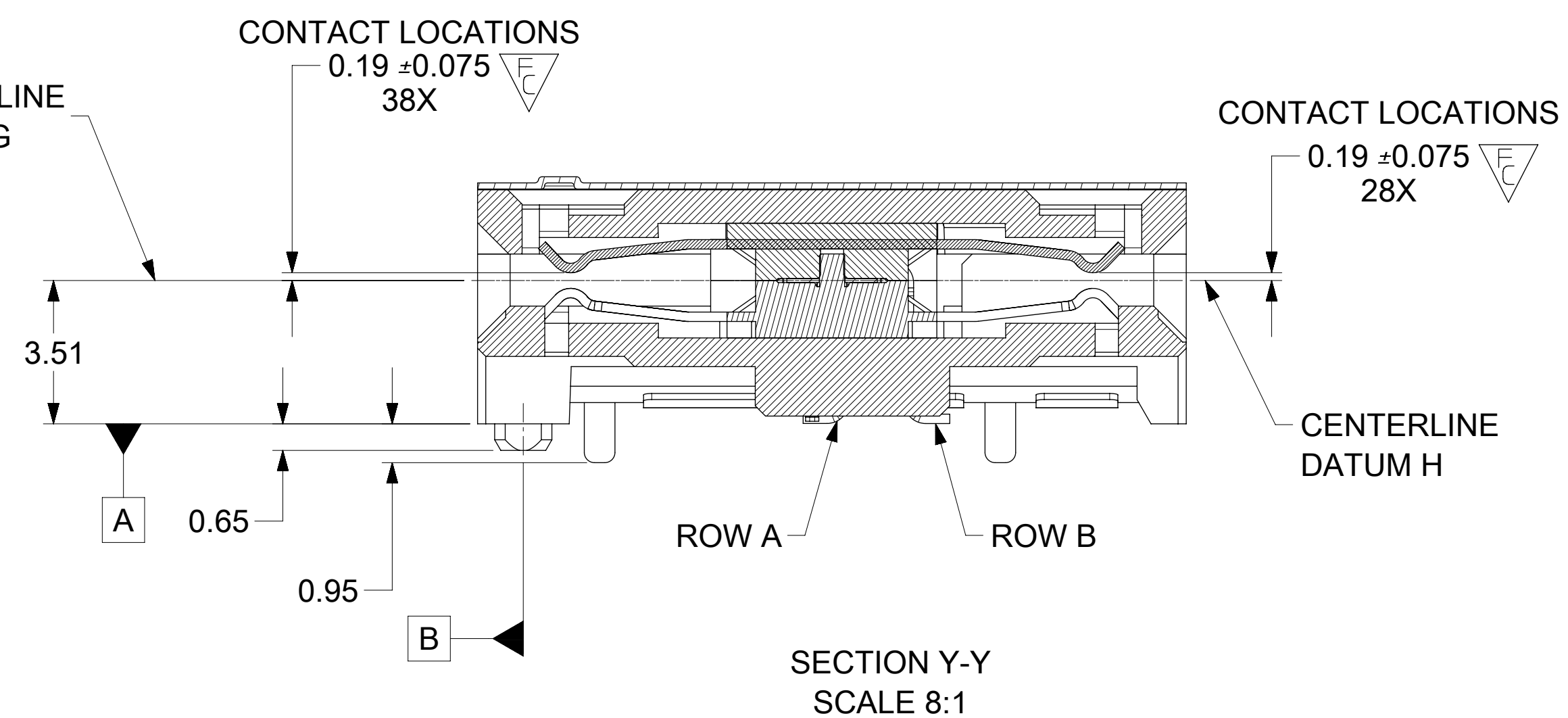
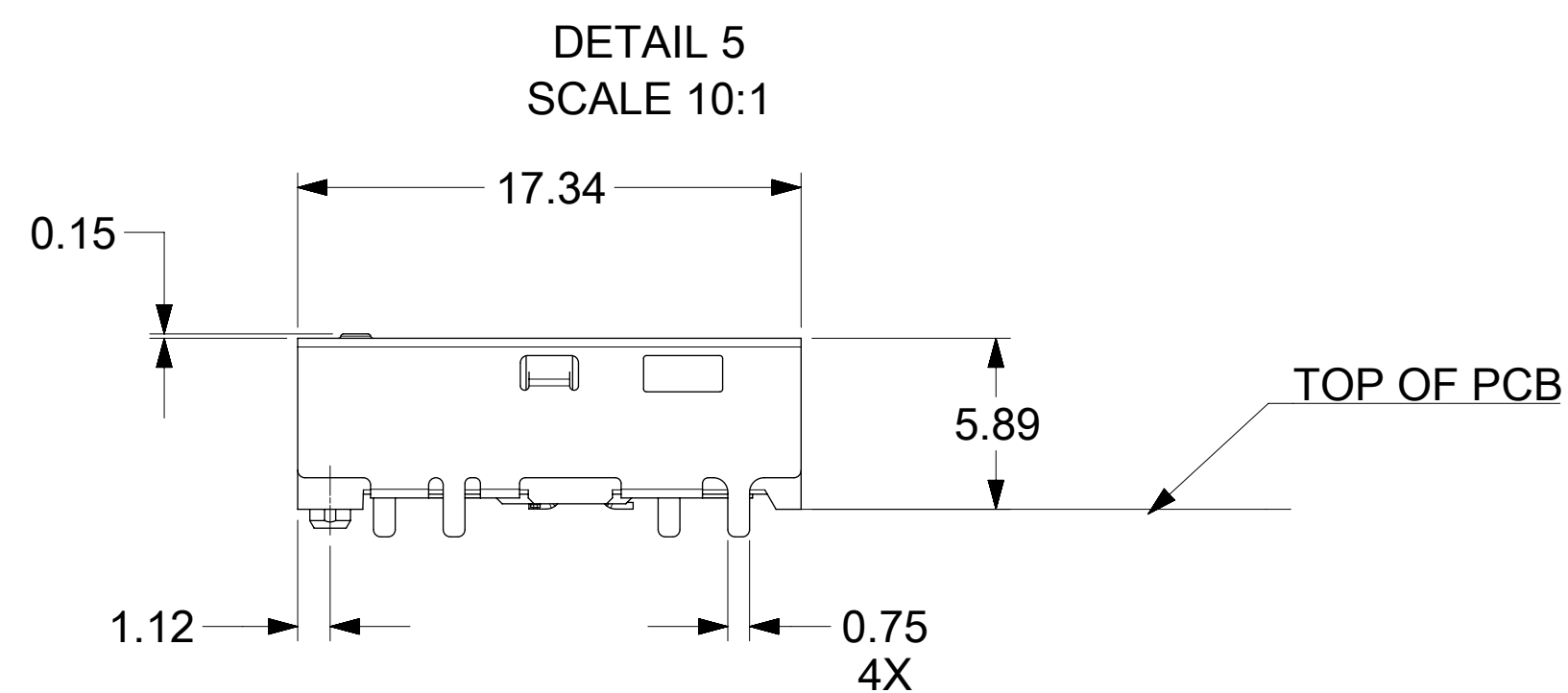
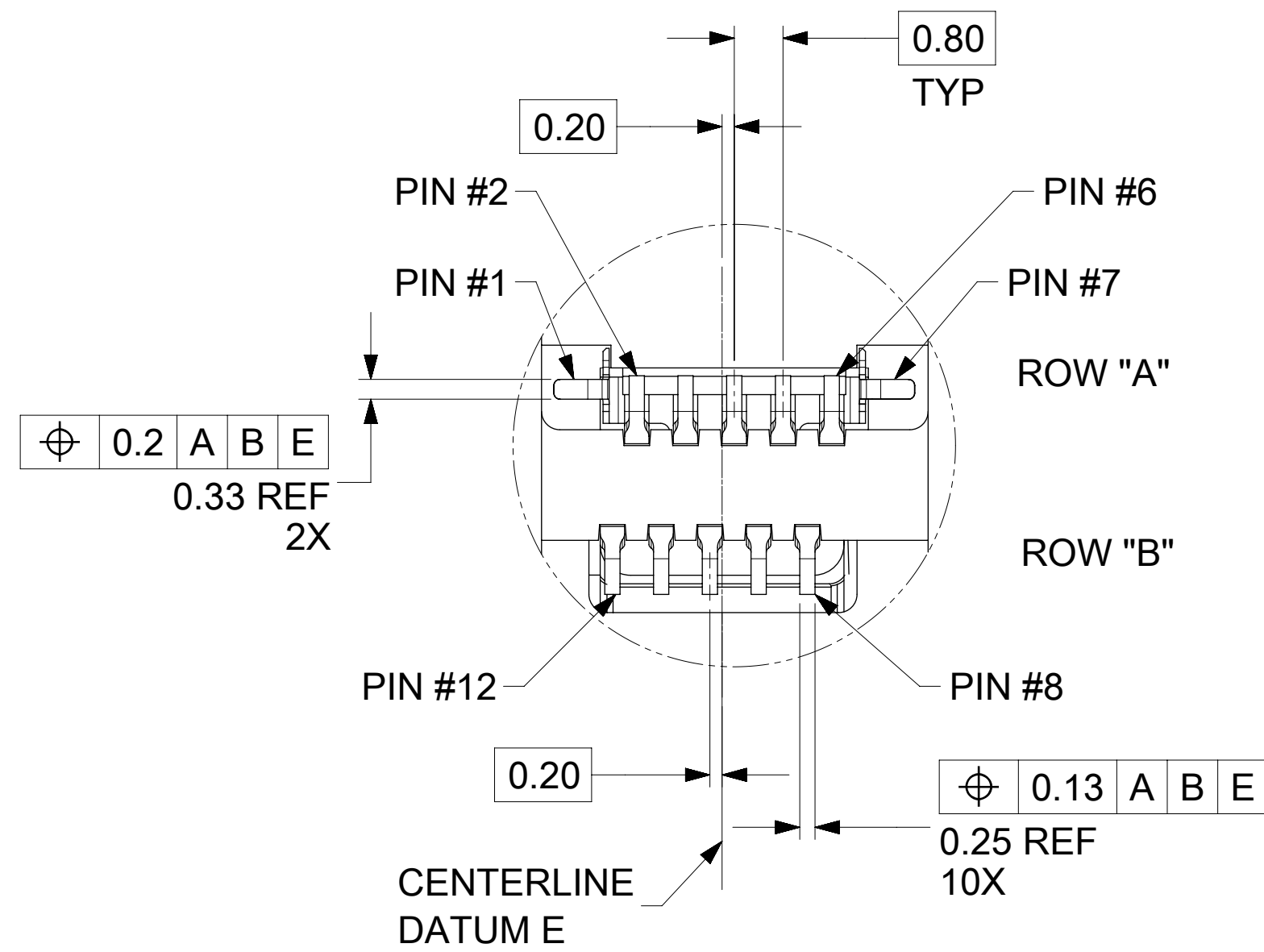
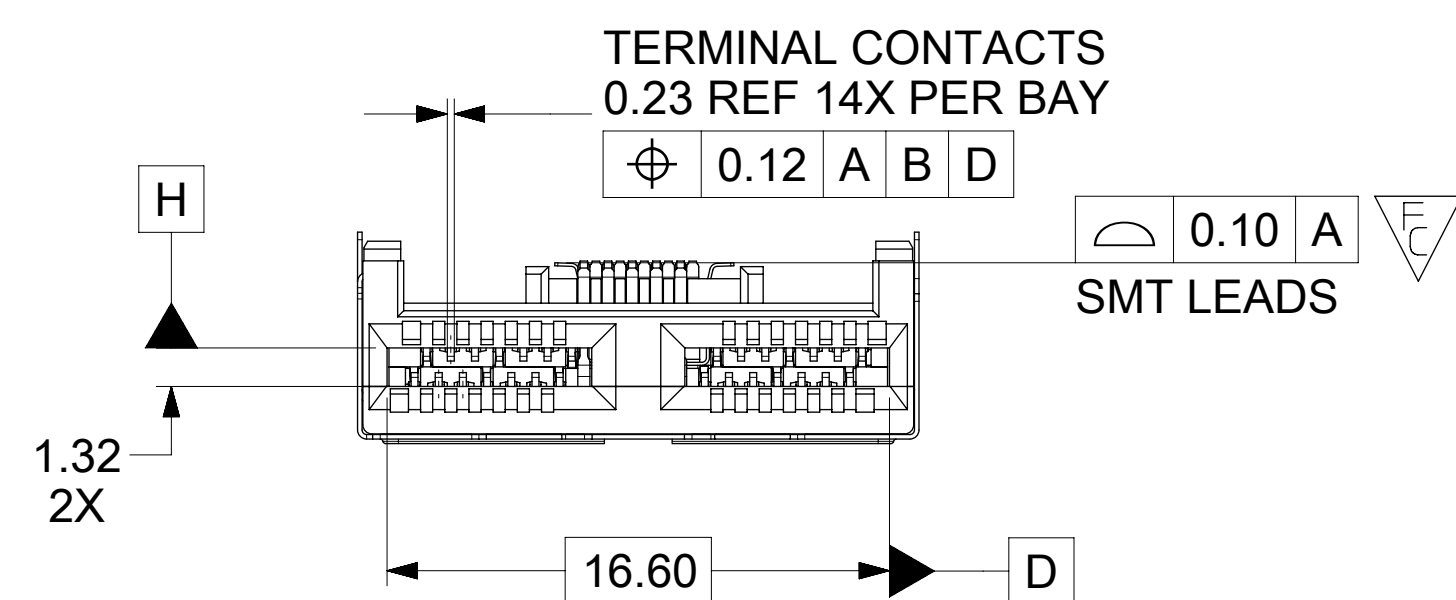
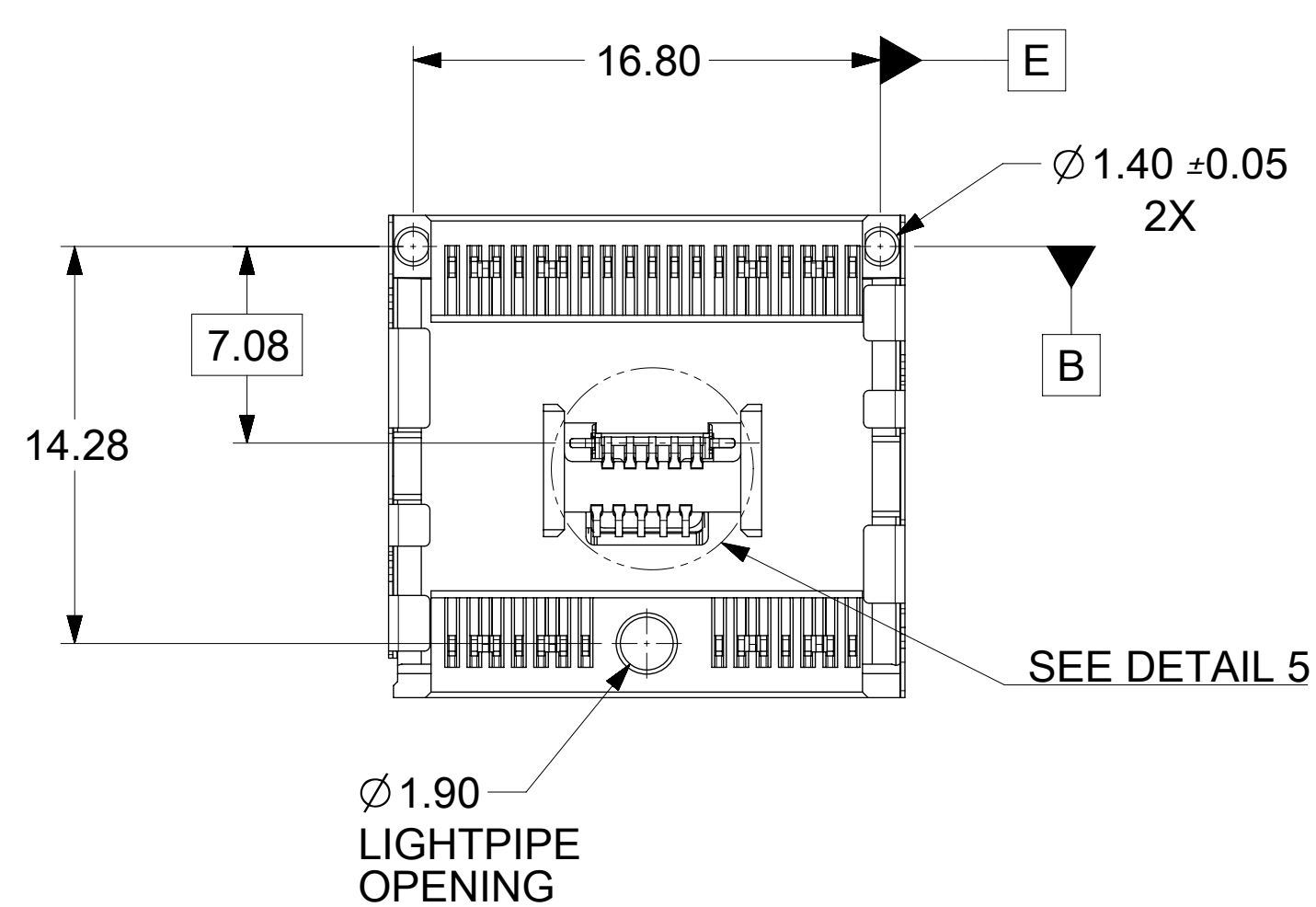
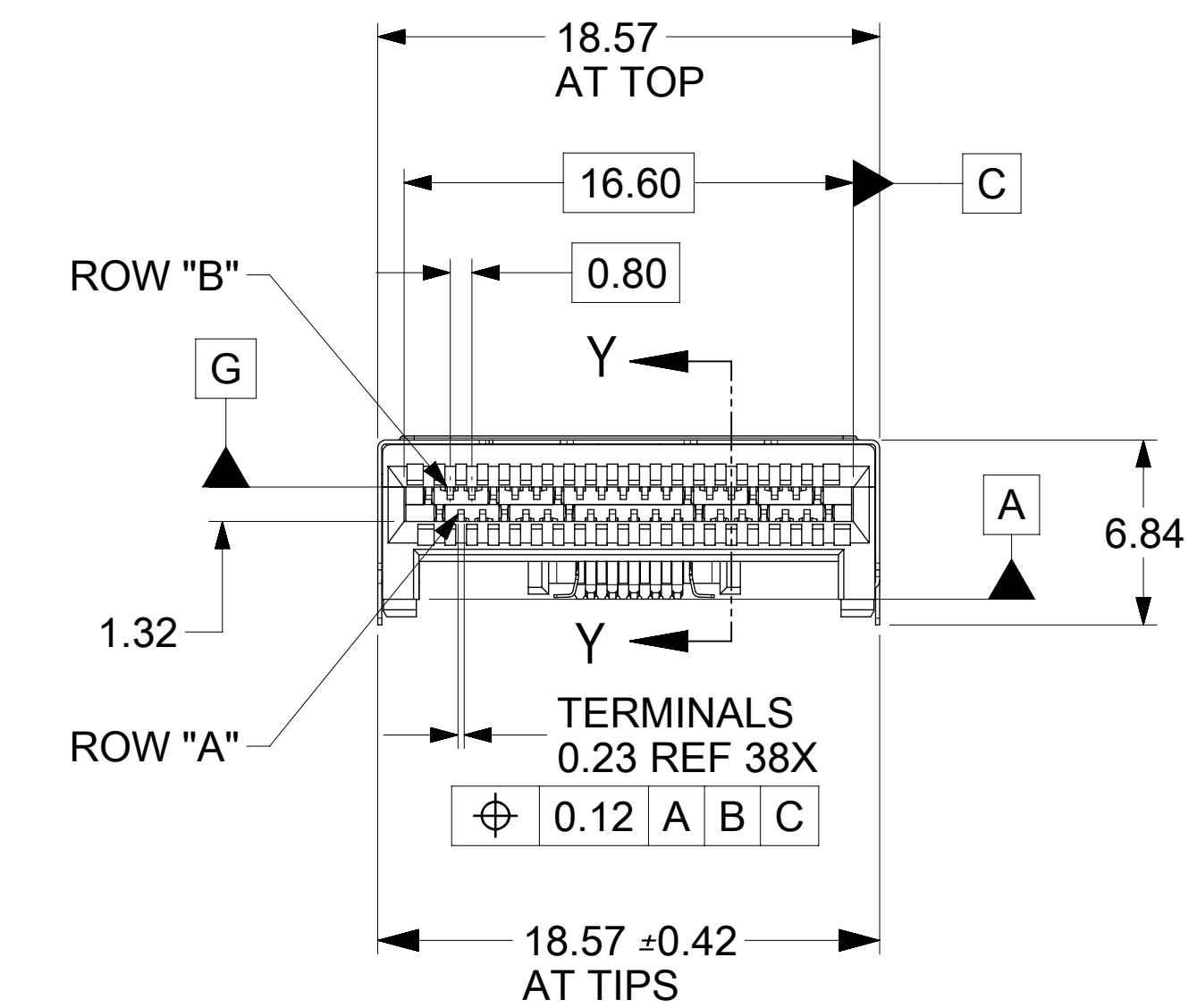
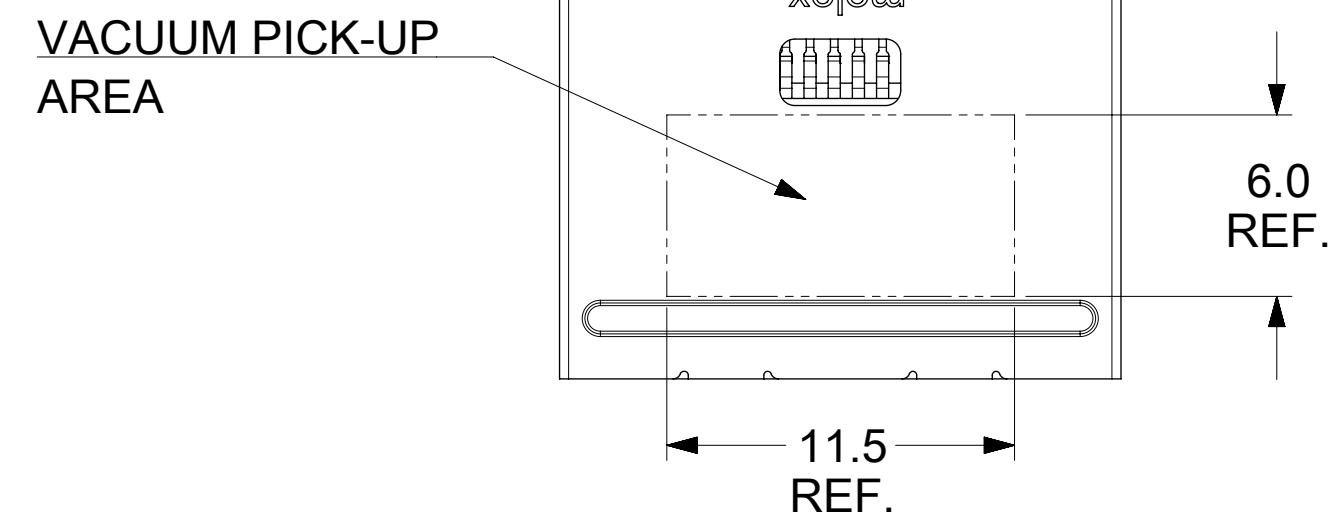
- PLEASE REFER TO EIA STANDARD EIA-481-D FOR ALL ITEMS NOT COVERED BY THIS PACKAGING SPECIFICATION.
- THE COVER TAPE MUST NOT EXTEND OVER THE EDGES OF THE EMBOSSED CARRIER TAPE OR COVER ANY PART OF THE SPROCKET HOLES
- EACH REEL AND EACH CARTON MUST HAVE A LABEL AFFIXED TO IT WITH THE FOLLOWING INFORMATION: CONNECTOR ITEM NO., QUANTITY, AND DATE CODE.
- ALL PACKAGING COMPONENT MATERIALS (COVER TAPE, EMBOSSED CARRIER TAPE, AND CARRIER REEL) ARE 100% ANTI-STATIC
- ABSOLUTELY NO TAPE SPLICES ARE PERMITTED ON FINISHED REELS.
- PACKAGING MATERIALS:
 COVER TAPE - COMPOSITE OF POLYETHYLENE TEREPHTHALATE (PET), POLYETHYLENE (PE), AND POLYFILM (PEF)
 EMBOSSED CARRIER TAPE - POLYSTYRENE (PS)
 CARRIER REEL - POLYSTYRENE (PS)
- THE COVER TAPE MUST HAVE A PEEL STRENGTH BETWEEN 10 AND 60 GRAMS PER SIDE WHEN PULLED OPPOSITE THE DIRECTION OF THE CARRIER TAPE TRAVEL SUCH THAT THE COVER TAPE MAKES AN ANGLE OF 0°/15° AS SHOWN IN DETAIL B.
- THERE ARE TO BE NO SKIPS IN THE COVER TAPE BOND.
- REFER TO PACKAGING MATRIX FOR NUMBER OF CONNECTORS PER REEL.
- MUST HAVE A MINIMUM OF 3/4 mm OF CARRIER TAPE TO COVER SLOTS IN HUB.
- TRAILING EMPTY POCKETS TO BE LOCATED AT THE HUB OF THE CARRIER REEL AND LEADING EMPTY POCKETS TO BE AT THE OUTSIDE EDGE OF THE CARRIER REEL.
- CARTON MUST BE PACKED TIGHT WITH AT LEAST FOUR 5 SHEETS OF PINK FOAM TO ELIMINATE ANY HEADROOM.
- ELV AND ROHS COMPLIANT



T-PATH CONNECTOR TAPE AND REEL PACKAGING INFORMATION

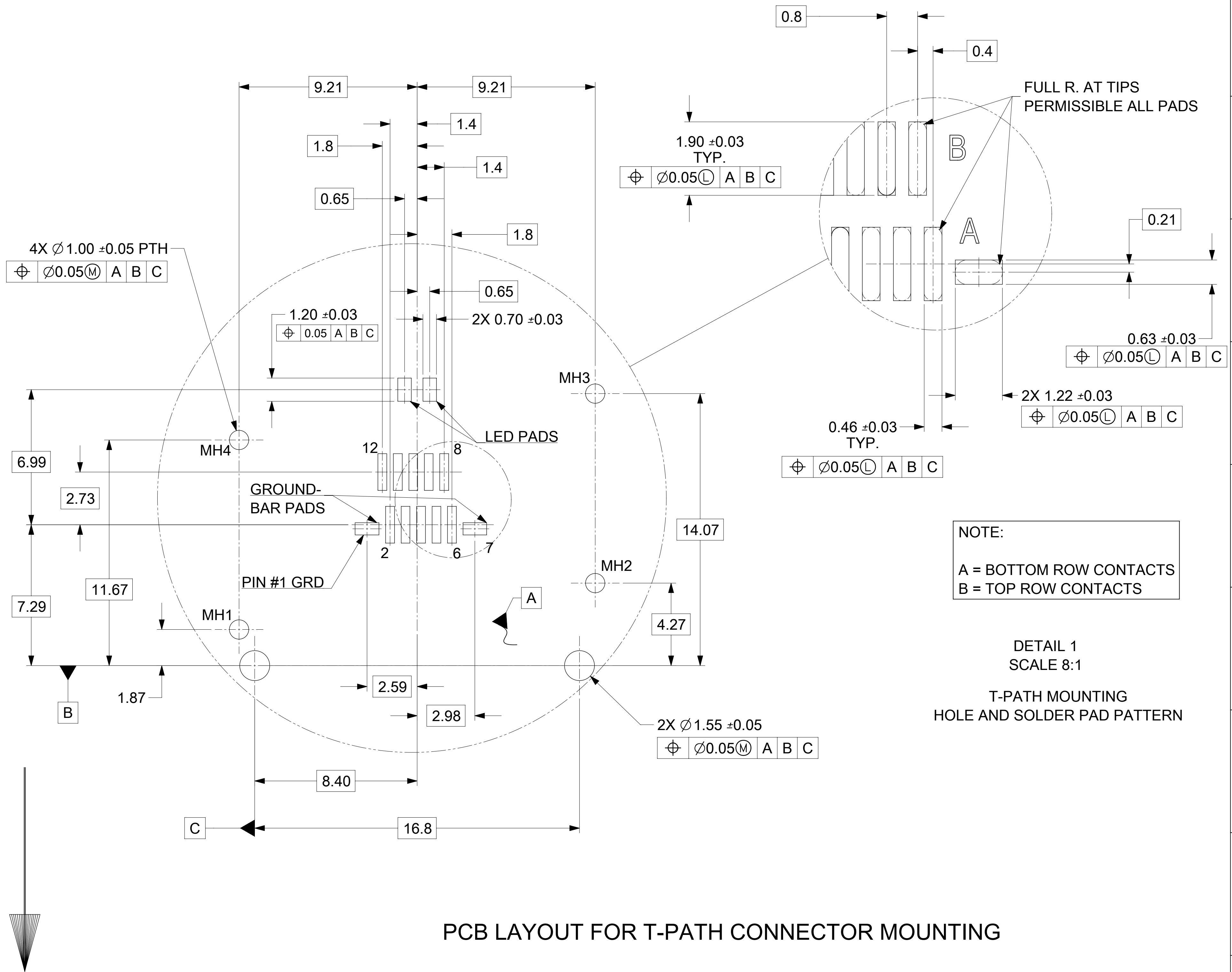
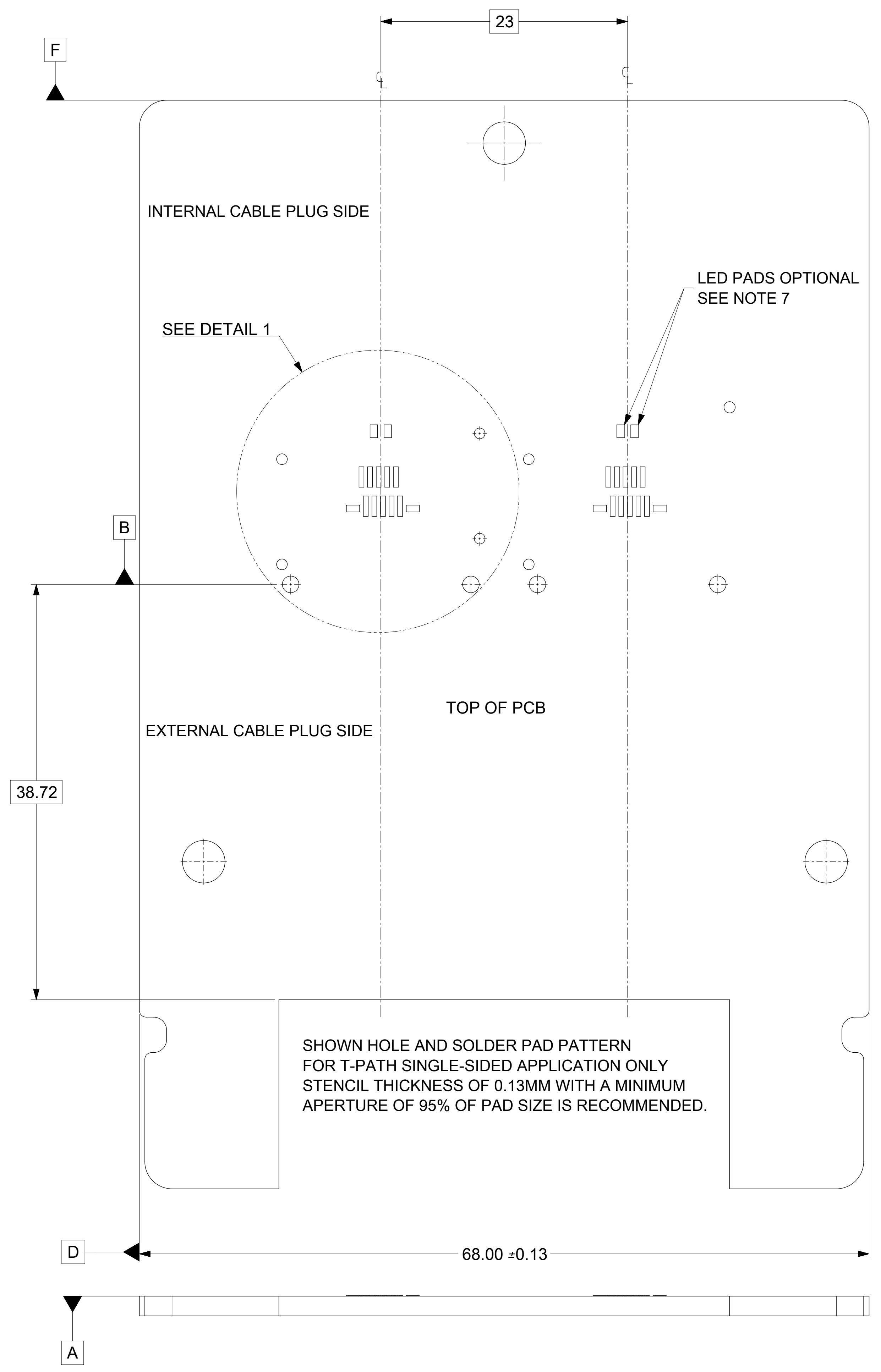
SEE SHEET 1 IEC NO: UCP2017-2046 DRAWN BY: MWOLFE 2017/05/05 CHECKED BY: CHYKOBARKER 2017/05/12 APPR: SMILLER 2017/05/19 REV: DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± mm ± INCH	MM ONLY	4:1	METRIC	☉
	▽=0	3 PLACES ± 0.13 ± 0.005				
	▽=0	1 PLACE ± 0.25 ± 0.010				
		ANGULAR ±1/2°	MATERIAL NO.	DATE	TITLE	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	472604-0002	2017/05/19	T-PATH CONNECTOR HARDTOP ASSEMBLY	
			SIZE D		DOCUMENT NO.	SHEET NO.
					SD-172604-0002	4 OF 4

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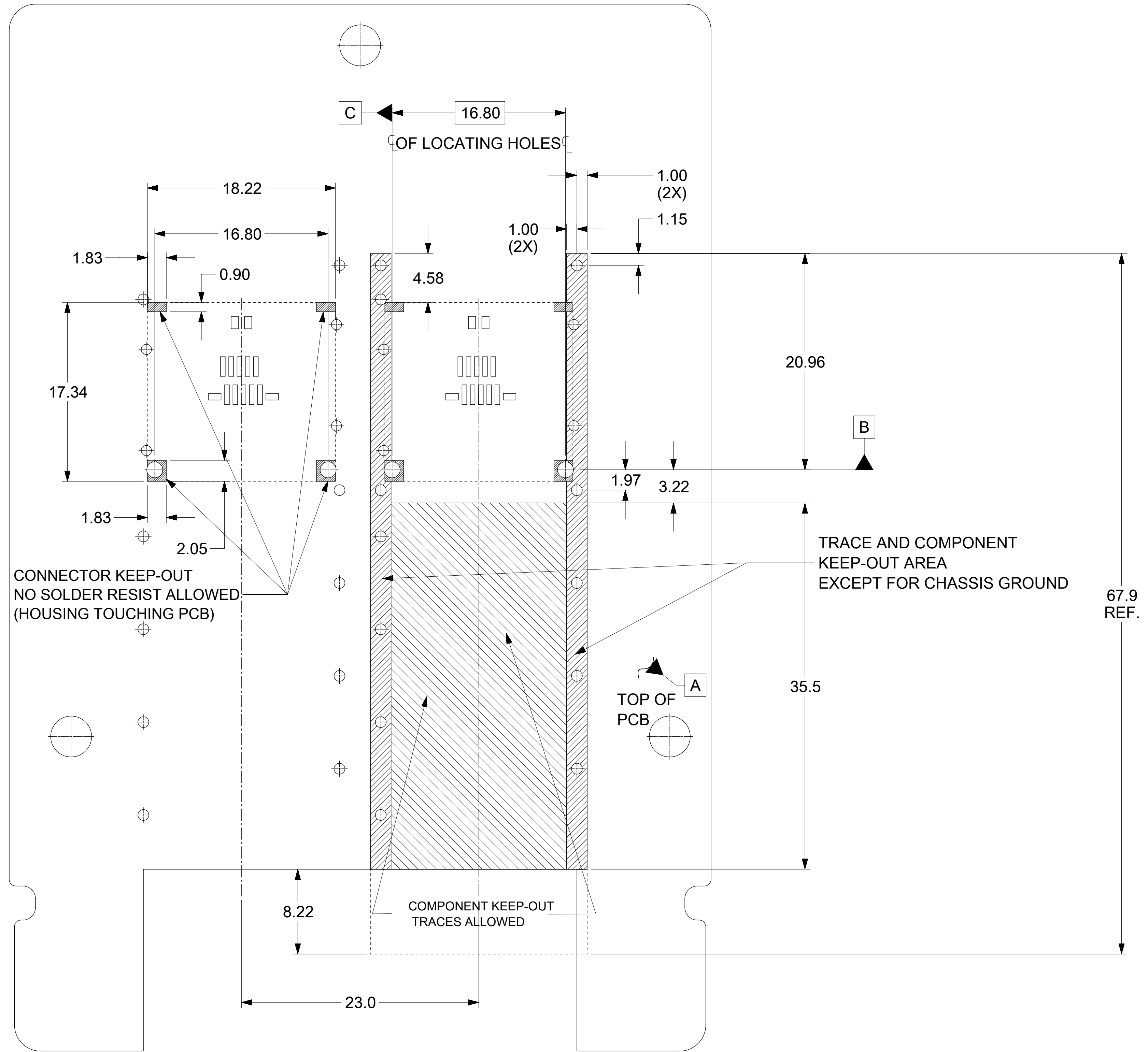
- NOTES:
- MATERIAL - HOUSING - HALOGEN FREE GLASS FILLED, LCP
UL 94V-0, COLOR: BLACK
SHELLS: 0.15 THICK NICKEL-SILVER ALLOY, UNPLATED
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
 - PLATING - CONTACT AREA - 0.76 µm MIN GOLD OVER 2.54 µm NICKEL
SOLDER AREA - 2.54 -5.09 µm TIN OVER 2.54 µm MIN NICKEL
 - DATE CODE: 4 DIGIT (3 DIGIT DAY, 1 DIGIT YEAR)
 - CONFORMS TO PRODUCT SPECIFICATION: PS-172604-0001
 - CONNECTOR ASSEMBLY IS RoHS AND LOW HALOGEN COMPLIANT
 - DIMENSIONS AND TOLERANCES CONFORM TO AMSE Y14.5 2009
 - LED IS OPTIONAL. RECOMMENDED LED PACKAGE: 1608/0603 0.4mm HIGH MAX.
 - PACKAGING: TAPE AND REEL. PER PK-172604-9001.
 - CONNECTOR TO BE USED IN CONJUNCTION WITH EMI CAGES SHOWN ON DRAWING SD-172604-2100
 - IFP CABLE PLUG TO HAVE 1.0mm THICK PCB.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
QUALITY SYMBOLS	REV TAIL POSITIONS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE			
▽ = 0 ▽ = 3 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	2018/01/09	2018/01/15	mm		4:1		DATE			
	2018/01/24	2018/01/24	ANGULAR TOL ± 0.5 °		DRWN BY		DATE		T-PATH CONNECTOR HARDTOP ASSEMBLY	
	EC NO: 170877	DRWN: ABN	4 PLACES ±		MWOLFE		2017/05/12			
		CHKD: SVANG01	3 PLACES ±		CHKD BY		DATE		PRODUCT CUSTOMER DRAWING	
		REV APPR: SMILLER	2 PLACES ± 0.13		BBARKER		2017/05/12			
			1 PLACE ± 0.25		APPR BY		DATE		SERIES MATERIAL NUMBER CUSTOMER 172604 172604-0003 GENERAL	
			0 PLACES ±		SMILLER		2017/05/19			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		DOCUMENT NUMBER DOC TYPE DOC PART SHEET NUMBER SD-172604-0003 PSD 001 1 OF 3	
					D					



FRONT OF CONNECTOR
(PLUG MODULE SIDE)

QUALITY SYMBOLS □ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		GENERAL TOLERANCES (UNLESS SPECIFIED) DIMENSION UNITS: mm SCALE: 4:1	
	REV TAIL POSITIONS EC NO: 170877 DRWN: ABN CHKD: SVANG01 REV APPR: SMILLER	2018/01/09 2018/01/15 2018/01/24	ANGULAR TOL ± 0.5 ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
SERIES: 172604 MATERIAL NUMBER: 172604-0003 CUSTOMER: GENERAL		DRAWING SIZE: D THIRD ANGLE PROJECTION		DOCUMENT NUMBER: SD-172604-0003 DOC TYPE: PSD DOC PART: 001 SHEET NUMBER: 2 OF 3



**T-PATH CONNECTOR AND EMI CAGE
KEEP-OUT ZONES**

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION UNITS	SCALE							
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$\nabla = 0$	REV TAIL POSITIONS	EC NO: 170877 DRWN: ABN CHKD: SVANG01 REV APPR: SMILLER	2018/01/09 2018/01/15 2018/01/24	4 PLACES \pm	DRWN BY	DATE							
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$\nabla = 0$				2 PLACES ± 0.13	CHKD BY	DATE							
$\nabla = 0$				1 PLACE ± 0.25	BBARKER	2017/05/12							
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$\nabla = 0$	DRAWING SIZE		THIRD ANGLE PROJECTION		D								
RELEASE STATUS		P1	RELEASE DATE	2018/01/24	00:46:26	A1		SERIES		MATERIAL NUMBER		CUSTOMER	
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3		DOCUMENT NUMBER		172604		172604-0003		GENERAL		PSD		001	
2		DOC TYPE		PSD		DOC PART		001		SHEET NUMBER		3 OF 3	
1		1		2		3		4		5		6	