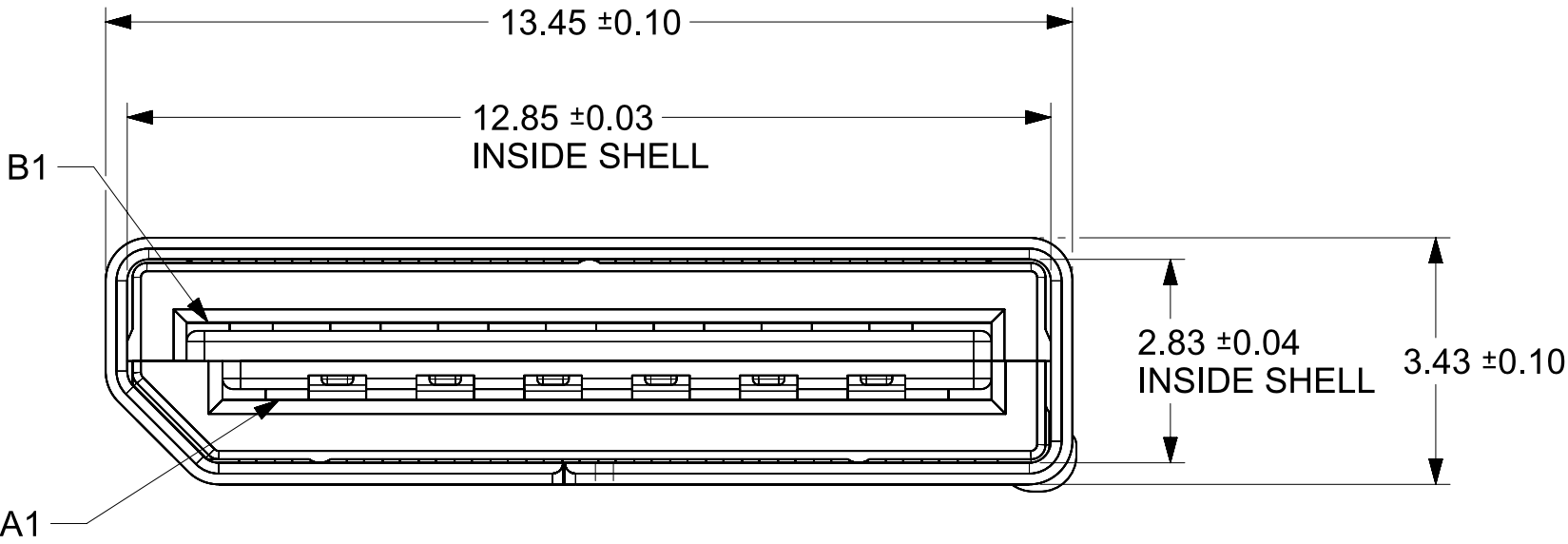
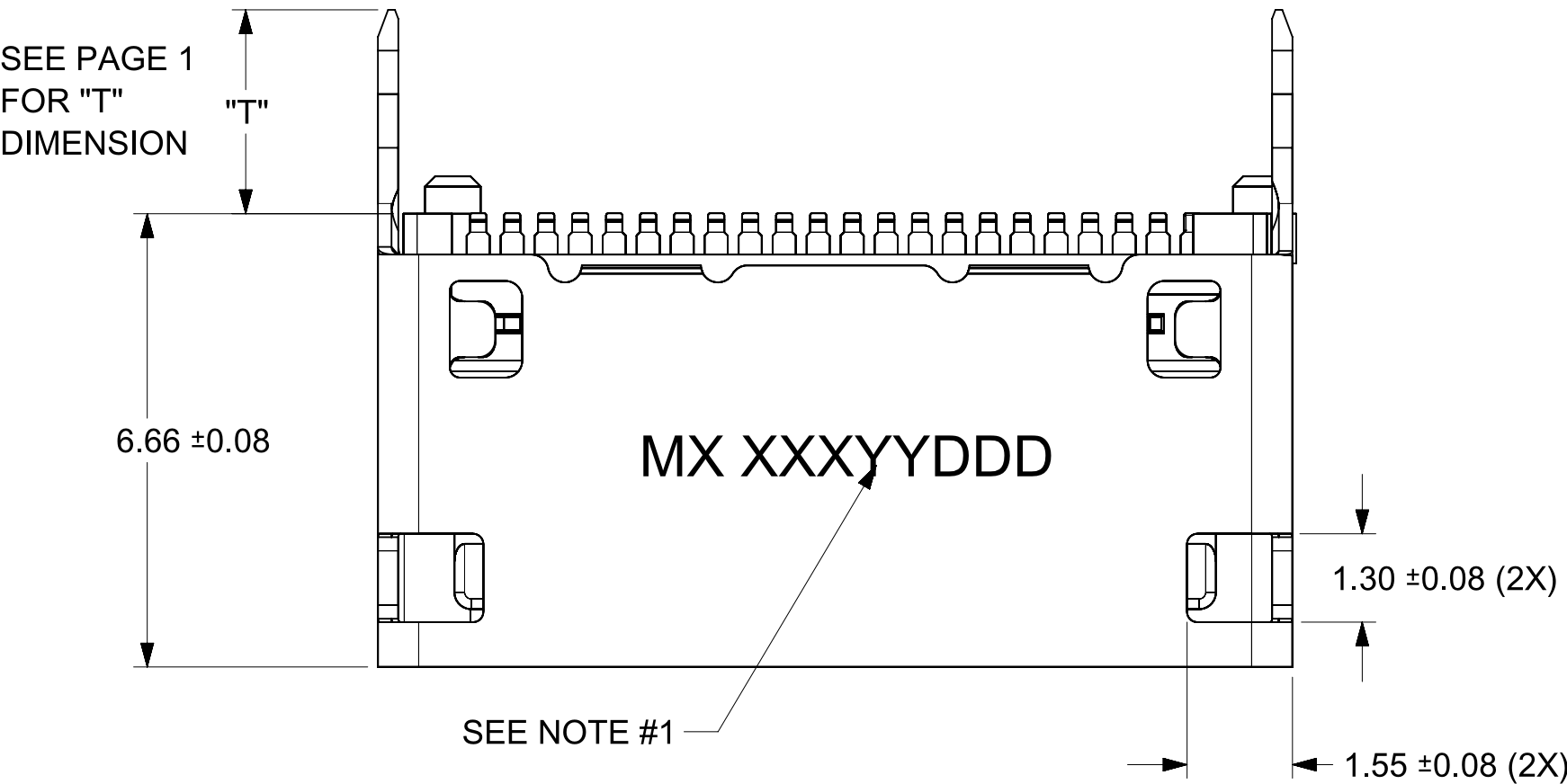
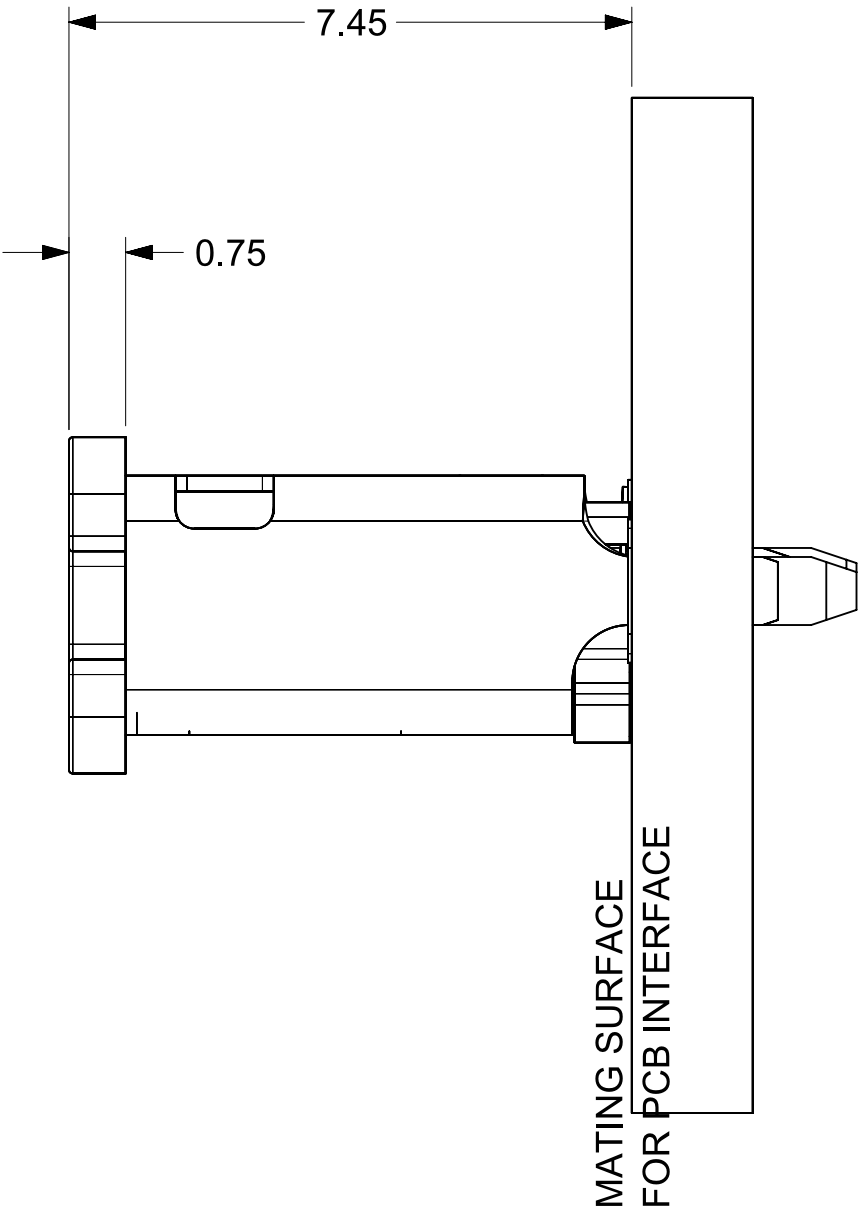


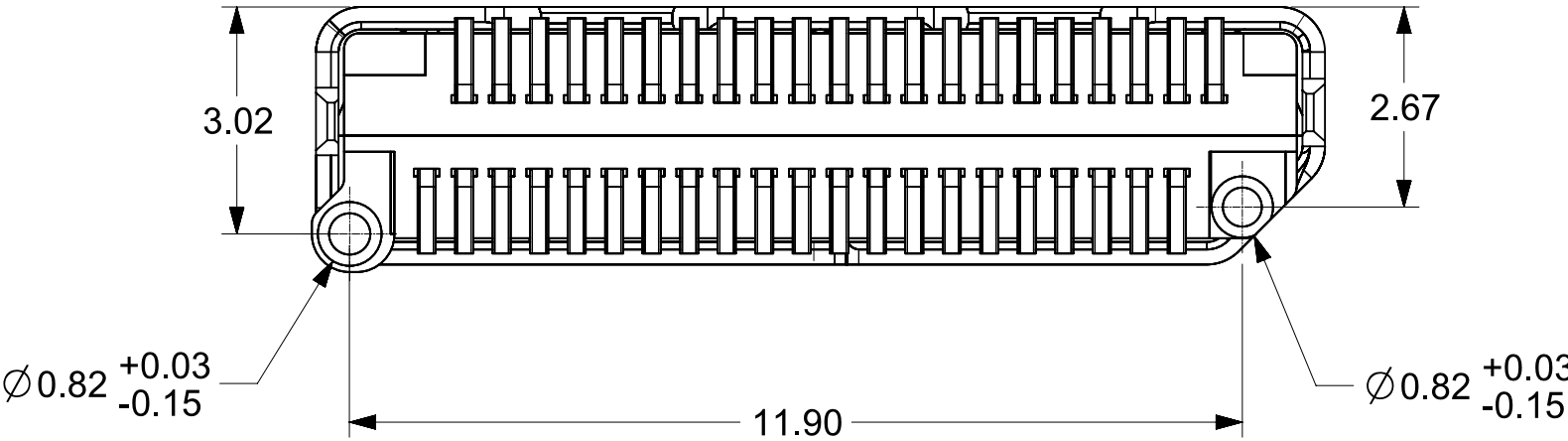
42 CIRCUIT TH ASSEMBLY



- NOTES:
1. PLANT CODE, MANUFACTURED DATE CODE (JULIAN CALENDAR) AND PART NUMBER
 2. SOLDER TAIL COPLANARITY 0.10 MAX

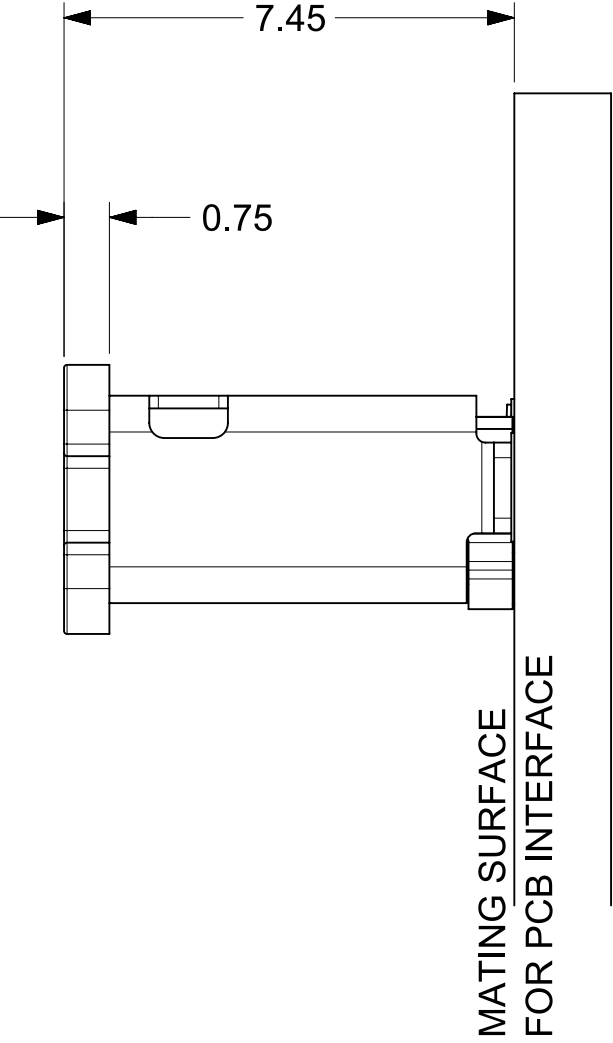
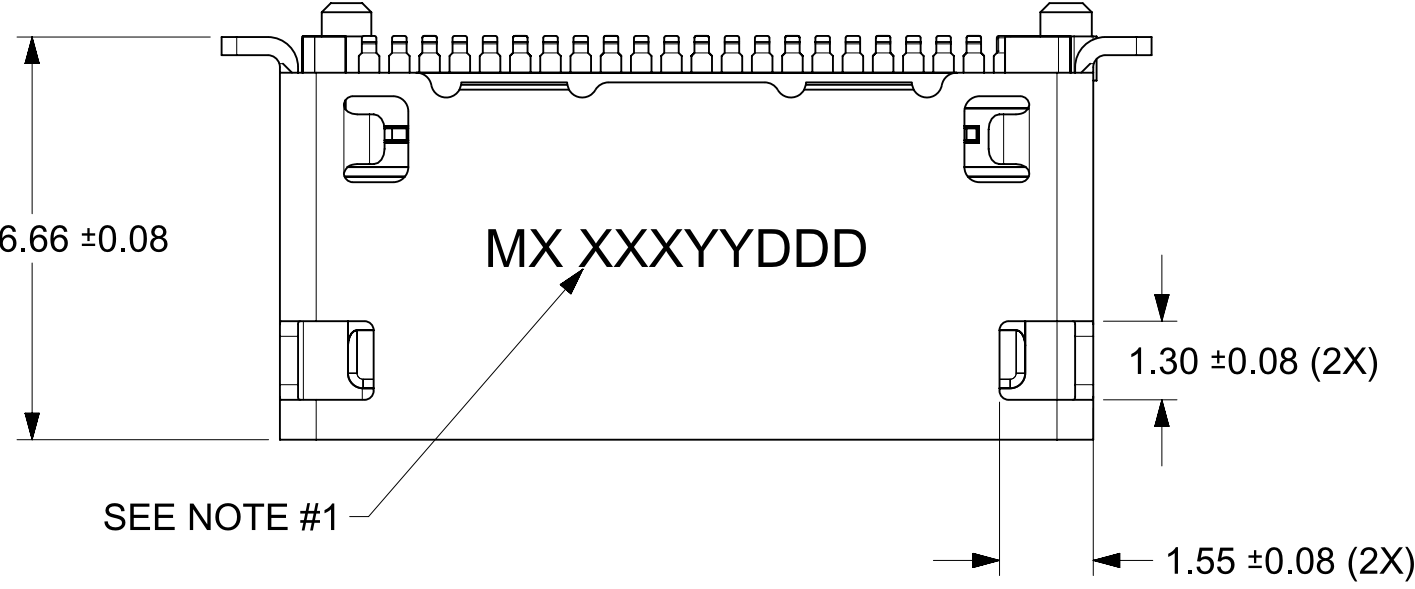


WITH CAP

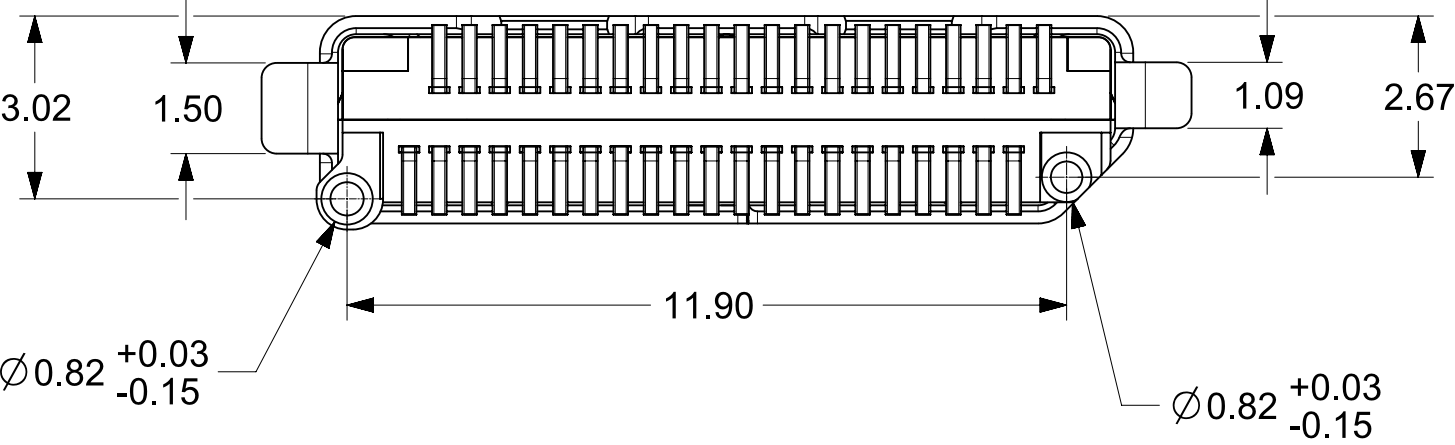
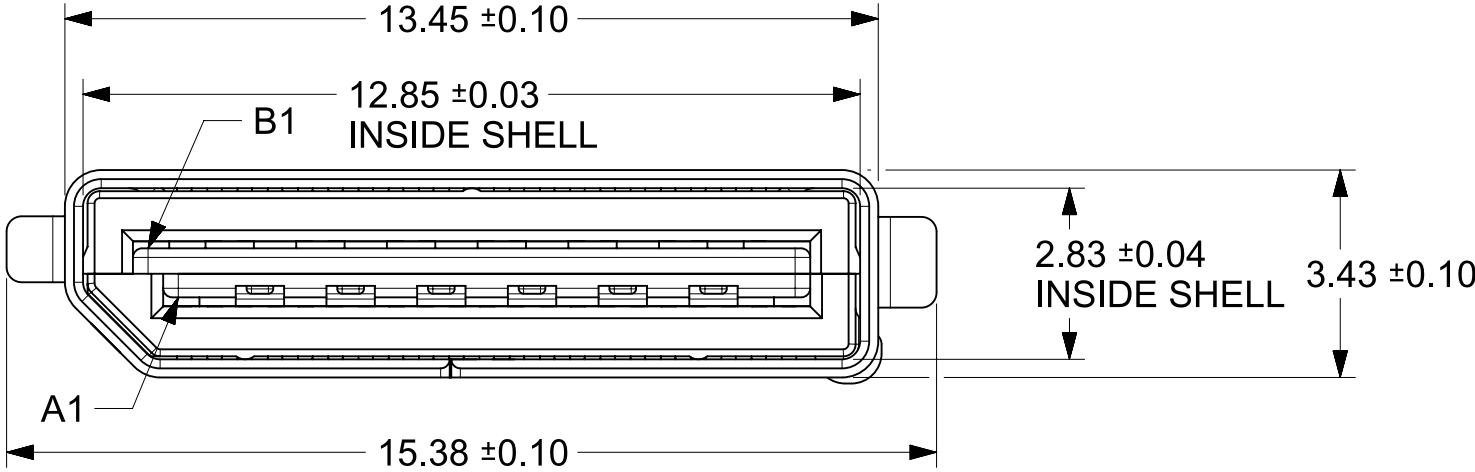


THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#516658				molex				
MM		10:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Production DRWN: Raghavendra H S 2026-02-10 CHK'D: Ganesh Rao B 2026-02-26 APPR: Gurunandan GA 2026-02-27 INITIAL REVISION: DRWN: APPR:				NANO PITCH I/O VERTICAL 4X				
	MM	INCH										
4 PLACES	±	±										
3 PLACES	±	±										
2 PLACES	± 0.130	±										
1 PLACE	± 0.25	±										
0 PLACES	±	±										
ANGULAR TOL	± 0.5°											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												THIRD ANGLE PROJECTION
						C-SIZE	171983	SEE CHART		GENERAL MARKET	2 OF 8	
								DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
								SD-171983-1000		PSD	001	L1

42 CIRCUIT SMT ASSEMBLY
171983-0142 WITH CAP
171983-4142 WITHOUT CAP



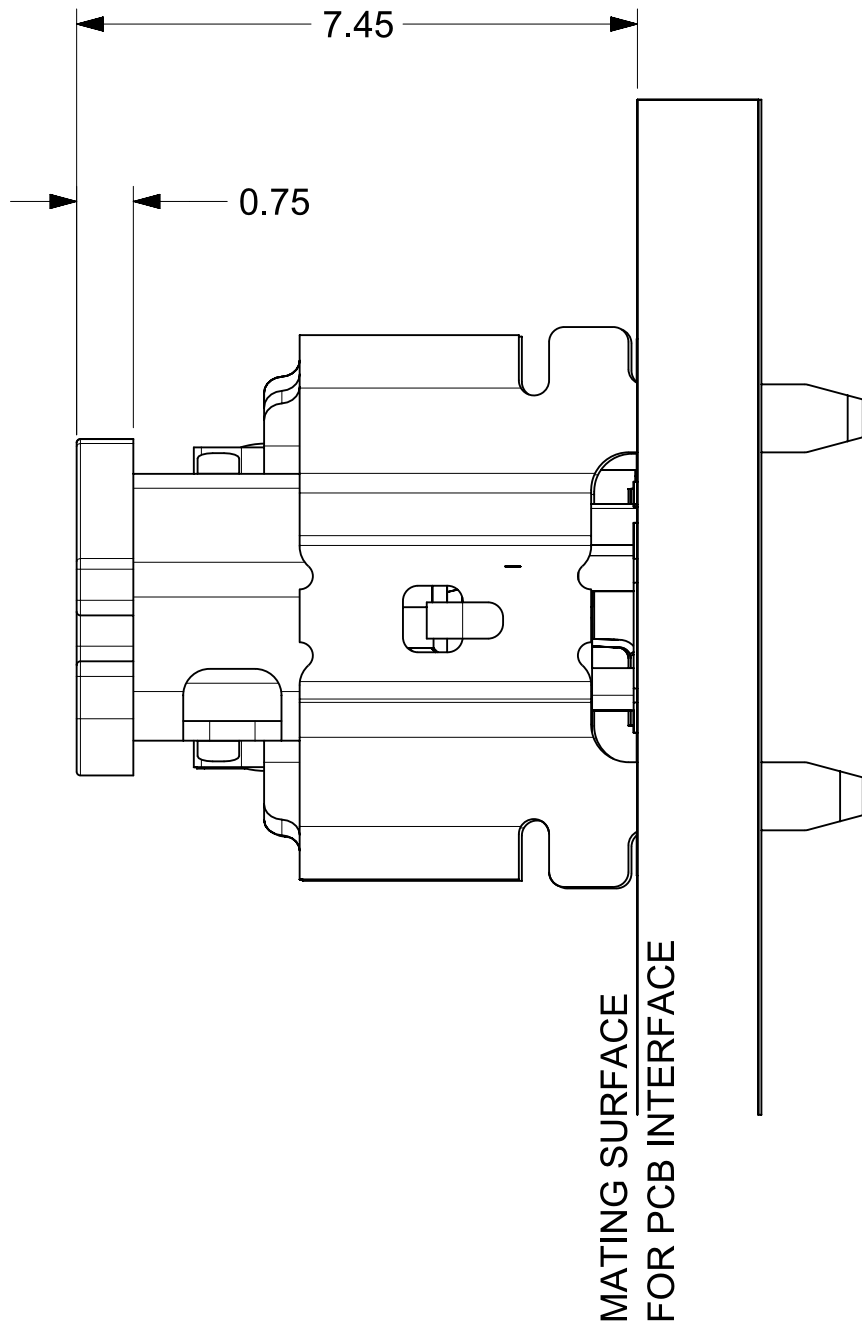
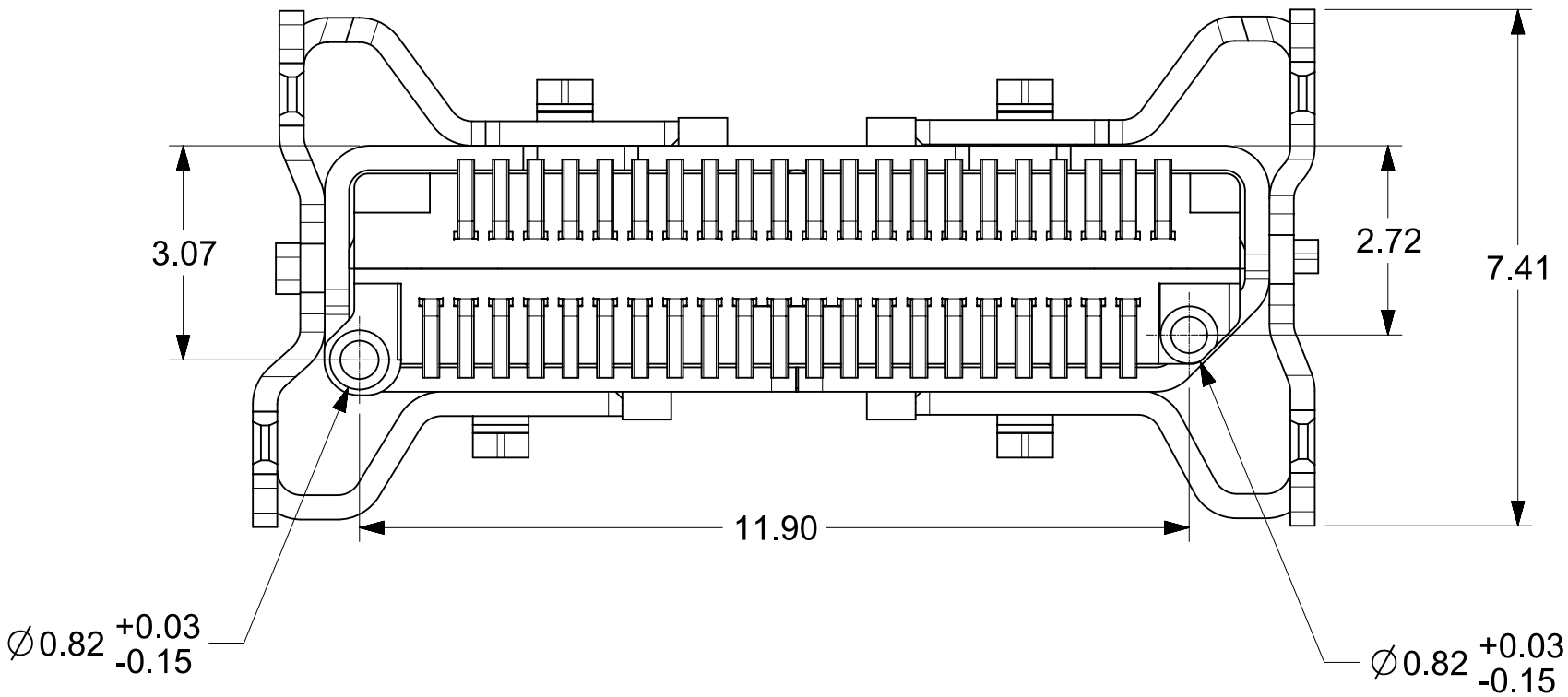
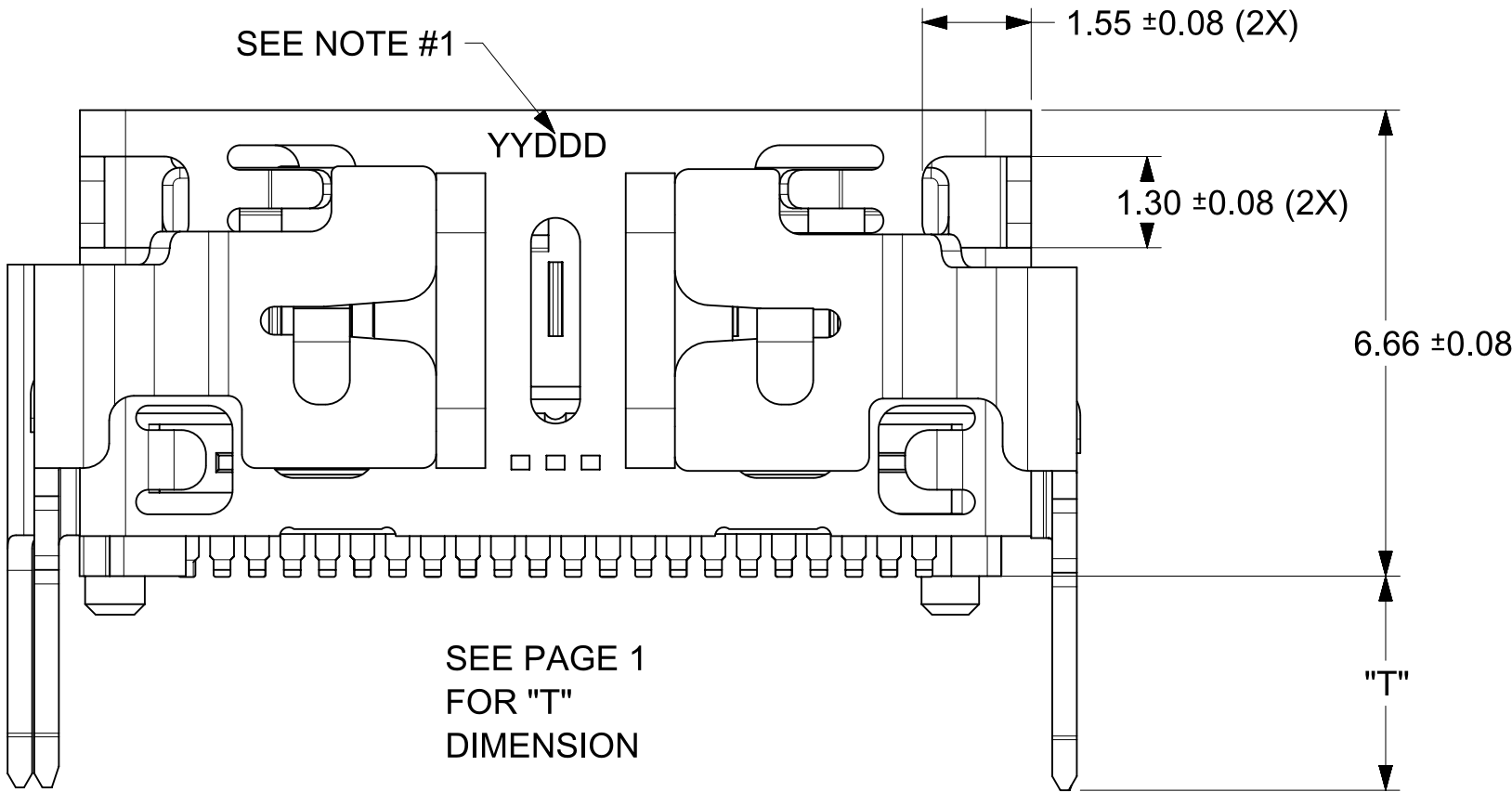
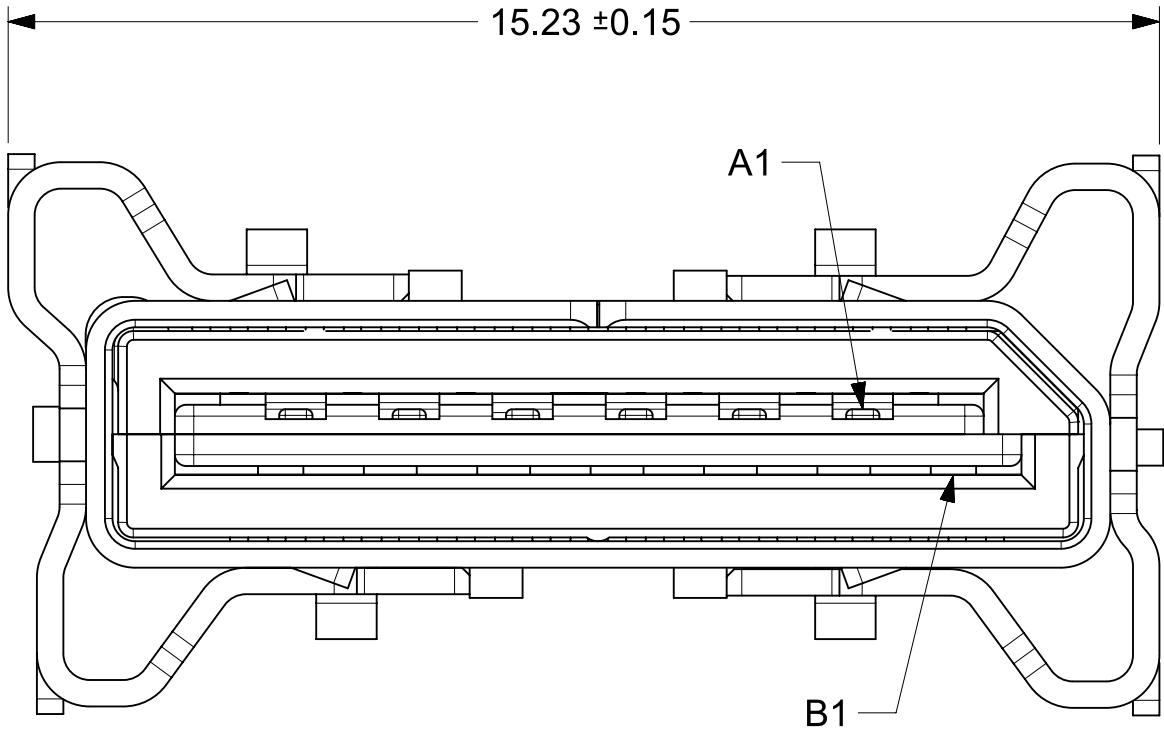
WITH CAP



- NOTES:
1. PLANT CODE, MANUFACTURED DATE CODE (JULIAN CALENDAR) AND PART NUMBER
 2. SOLDER TAIL COPLANARITY 0.10 MAX

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#516658				molex				
MM		8:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)								NANO PITCH I/O VERTICAL 4X				
		MM	INCH									
4 PLACES	±		±	STATUS: Production DRWN: Raghavendra H S 2026-02-10 CHK'D: Ganesh Rao B 2026-02-26 APPR: Gurunandan GA 2026-02-27				PRODUCT CUSTOMER DRAWING				
3 PLACES	±		±									
2 PLACES	±	0.130	±									
1 PLACE	±	0.25	±									
0 PLACES	±		±	INITIAL REVISION: DRWN: APPR:				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
ANGULAR TOL ± 0.5°								SD-171983-1000		PSD	001	L1
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING C-SIZE	SERIES 171983	MATERIAL NUMBER SEE CHART		CUSTOMER GENERAL MARKET		SHEET NUMBER 3 OF 8

42 CIRCUIT XD ASSEMBLY

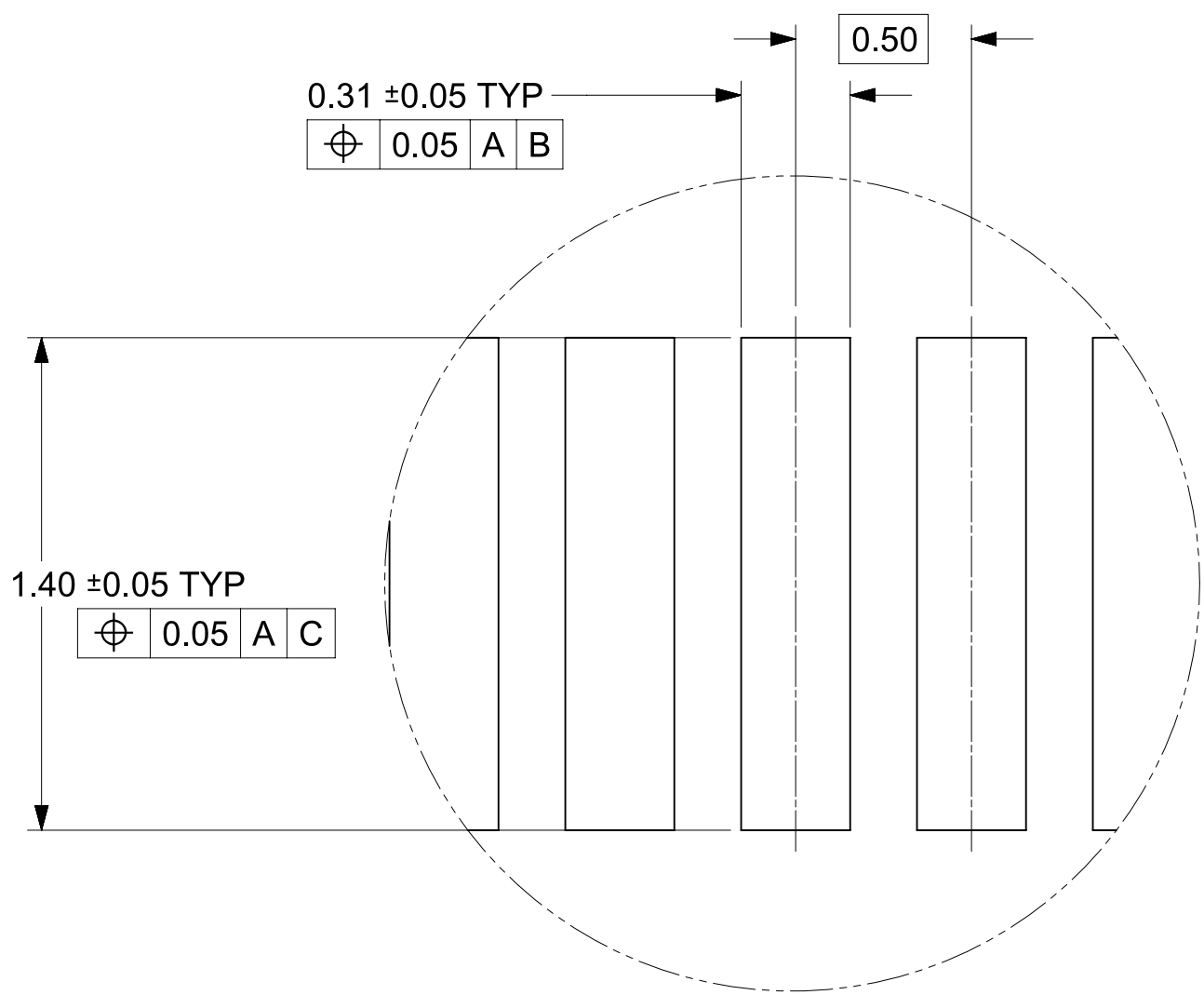
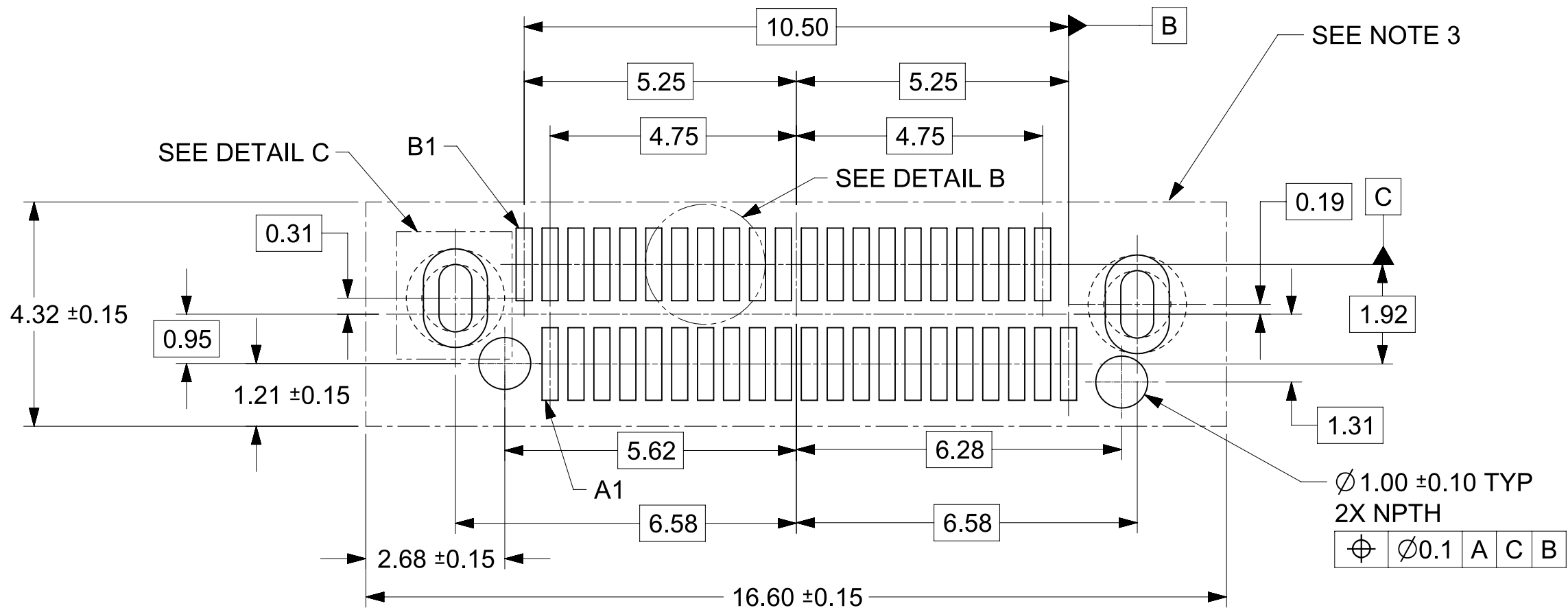


WITH CAP

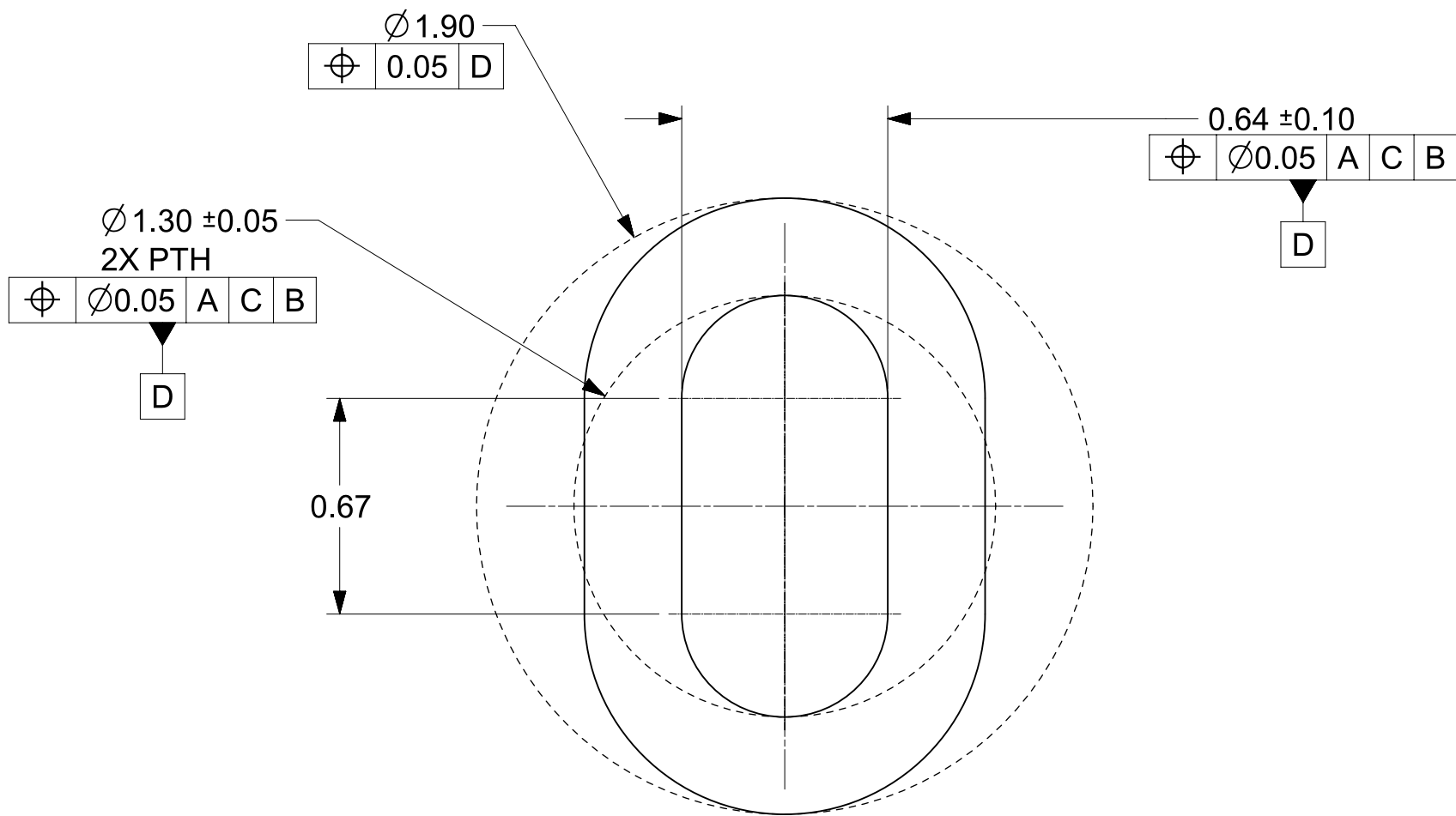
- NOTES:
1. MANUFACTURED DATE CODE (JULIAN CALENDAR)
 2. SOLDER TAIL COPLANARITY 0.10 MAX

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#516658				molex				
MM		10:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Production DRWN: Raghavendra H S 2026-02-10 CHK'D: Ganesh Rao B 2026-02-26 APPR: Gurunandan GA 2026-02-27				NANO PITCH I/O VERTICAL 4X				
MM		INCH										
4 PLACES	±		±									
3 PLACES	±		±									
2 PLACES	±	0.130	±									
1 PLACE	±	0.25	±									
0 PLACES	±		±									
ANGULAR TOL ± 0.5°				INITIAL REVISION: DRWN: APPR:				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								SD-171983-1000		PSD	001	L1
				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
				C-SIZE	171983	SEE CHART		GENERAL MARKET		4 OF 8		

42 CIRCUIT TAIL RECOMMENDED FOOTPRINT

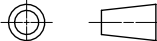


DETAIL B
SCALE 50:1



DETAIL C
SCALE 50:1

- NOTES:
1. MINIMUM RECOMMENDED SPACING BETWEEN ADJACENT CONNECTORS IS 19.05mm
 2. MINIMUM RECOMMENDED PCB THICKNESS: 1.57mm
 3. CONNECTOR KEEP OUT AREA
 4. DATUM -A- ESTABLISHED FROM TOP SURFACE OF PCB

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#516658				molex NANO PITCH I/O VERTICAL 4X							
MM		10:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Production DRWN: Raghavendra H S 2026-02-10 CHK'D: Ganesh Rao B 2026-02-26 APPR: Gurunandan GA 2026-02-27				PRODUCT CUSTOMER DRAWING							
MM		INCH													
4 PLACES	±		±												
3 PLACES	±		±												
2 PLACES	±	0.130	±	INITIAL REVISION:				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION			
1 PLACE	±	0.25	±					SD-171983-1000		PSD	001	L1			
0 PLACES	±														
ANGULAR TOL ± 0.5°				DRWN:											
APPR:															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						C-SIZE		171983		SEE CHART		GENERAL MARKET		5 OF 8	

42 CIRCUIT COMMON TAIL/XD RECOMMENDED FOOTPRINT

SEE NOTE 3

SEE DETAIL F

SEE DETAIL D

SEE DETAIL E

DETAIL D
SCALE 30:1

DETAIL E
SCALE 30:1

DETAIL F
SCALE 30:1

NOTES:

1. MINIMUM RECOMMENDED SPACING BETWEEN ADJACENT CONNECTOR IS 19.05mm
2. MINIMUM RECOMMENDED PCB THICKNESS: 1.57mm
3. CONNECTOR KEEP OUT AREA
4. DATUM -A- ESTABLISHED FROM TOP SURFACE OF PCB
5. COMMON FOOTPRINT SHOWN FOR XD ONLY PATTERN USE ONLY PTH DENOTED "Y" FOR TH ONLY PATTERN USE ONLY PTH DENOTED "X"

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#516658					
MM		15:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
	MM	INCH							
4 PLACES	±			STATUS: Production					
3 PLACES	±			DRWN: Raghavendra H S 2026-02-10					
2 PLACES	±	0.130		CHK'D: Ganesh Rao B 2026-02-26					
1 PLACE	±	0.25		APPR: Gurunandan GA 2026-02-27					
0 PLACES	±			INITIAL REVISION:					
ANGULAR TOL ± 0.5°				DRWN:					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				APPR:					
				THIRD ANGLE PROJECTION		DRAWING		SERIES	
				C-SIZE		171983			
				MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				SEE CHART		GENERAL MARKET		6 OF 8	

molex

NANO PITCH I/O
VERTICAL 4X

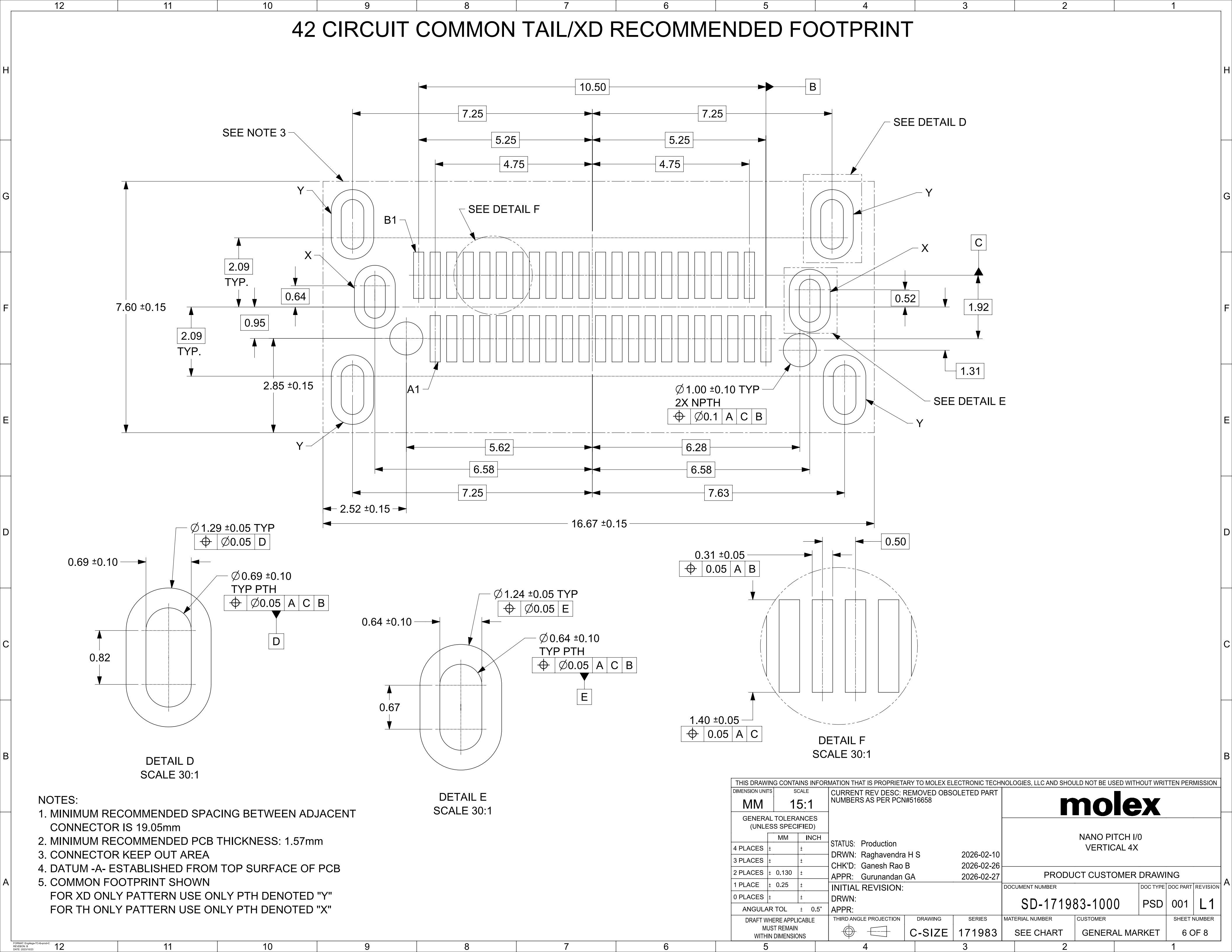
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: SD-171983-1000

DOC TYPE: PSD

DOC PART: 001

REVISION: L1



42 CIRCUIT COMMON TAIL/XD RECOMMENDED FOOTPRINT

SEE NOTE 3

SEE DETAIL F

SEE DETAIL D

SEE DETAIL E

DETAIL D
SCALE 30:1

DETAIL E
SCALE 30:1

DETAIL F
SCALE 30:1

NOTES:

1. MINIMUM RECOMMENDED SPACING BETWEEN ADJACENT CONNECTOR IS 19.05mm
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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#516658	
MM	15:1				
GENERAL TOLERANCES (UNLESS SPECIFIED)					
	MM	INCH			
4 PLACES	±	±			
3 PLACES	±	±			
2 PLACES	±	0.130			
1 PLACE	±	0.25			
0 PLACES	±	±			
ANGULAR TOL	±	0.5°			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	
		C-SIZE		SERIES	
		171983		MATERIAL NUMBER	
		SEE CHART		CUSTOMER	
		GENERAL MARKET		SHEET NUMBER	
		6 OF 8			

- 42 CIRCUIT COMMON TAIL/XD RECOMMENDED FOOTPRINT

SEE NOTE 3

SEE DETAIL F

SEE DETAIL D

SEE DETAIL E

DETAIL D
SCALE 30:1

DETAIL E
SCALE 30:1

DETAIL F
SCALE 30:1

NOTES:

 1. MINIMUM RECOMMENDED SPACING BETWEEN ADJACENT CONNECTOR IS 19.05mm
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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#516658	
MM	15:1				
GENERAL TOLERANCES (UNLESS SPECIFIED)					
	MM	INCH			
4 PLACES	±	±			
3 PLACES	±	±			
2 PLACES	±	0.130			
1 PLACE	±	0.25			
0 PLACES	±	±			
ANGULAR TOL	±	0.5°			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
THIRD ANGLE PROJECTION		DRAWING		SERIES	
C-SIZE		171983			

STATUS: Production
DRWN: Raghavendra H S
CHK'D: Ganesh Rao B
APPR: Gurunandan GA

2026-02-10
2026-02-26
2026-02-27

INITIAL REVISION:
DRWN:
APPR:

DOCUMENT NUMBER
SD-171983-1000

DOC TYPE
PSD

DOC PART
001

REVISION
L1

MATERIAL NUMBER
SEE CHART

CUSTOMER
GENERAL MARKET

SHEET NUMBER
6 OF 8

42 CIRCUIT COMMON TAIL/XD RECOMMENDED FOOTPRINT

SEE NOTE 3

SEE DETAIL F

SEE DETAIL D

SEE DETAIL E

DETAIL D
SCALE 30:1

DETAIL E
SCALE 30:1

DETAIL F
SCALE 30:1

NOTES:

1. MINIMUM RECOMMENDED SPACING BETWEEN ADJACENT CONNECTOR IS 19.05mm
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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#516658				moLEX	
GENERAL TOLERANCES (UNLESS SPECIFIED)								NANO PITCH I/O VERTICAL 4X	
	MM		INCH						
4 PLACES	±		±	STATUS: Production					
3 PLACES	±		±	DRWN: Raghavendra H S 2026-02-10					
2 PLACES	±	0.130	±	CHK'D: Ganesh Rao B 2026-02-26					
1 PLACE	±	0.25	±	APPR: Gurunandan GA 2026-02-27					
0 PLACES	±		±	INITIAL REVISION:				DOCUMENT NUMBER	
ANGULAR TOL ± 0.5°				DRWN:				SD-171983-1000	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				APPR:				PSD 001 L1	
THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER	
				C-SIZE		171983		SEE CHART	
								CUSTOMER	
								GENERAL MARKET	
								SHEET NUMBER	
								6 OF 8	

