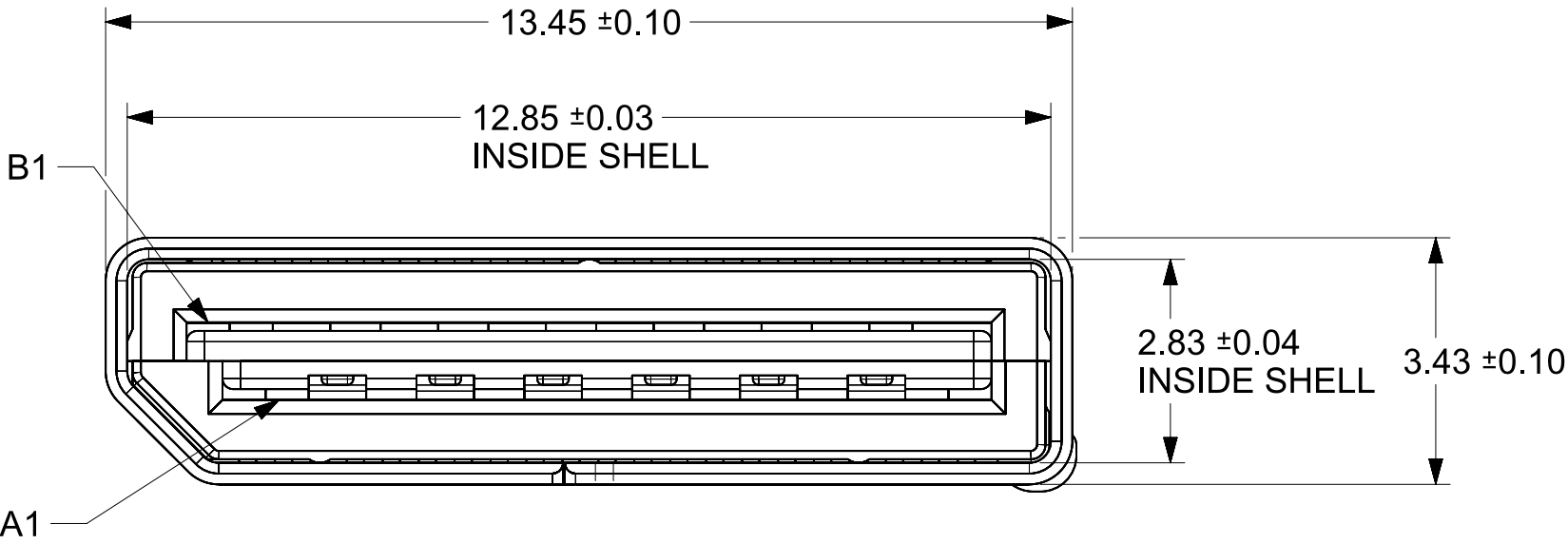
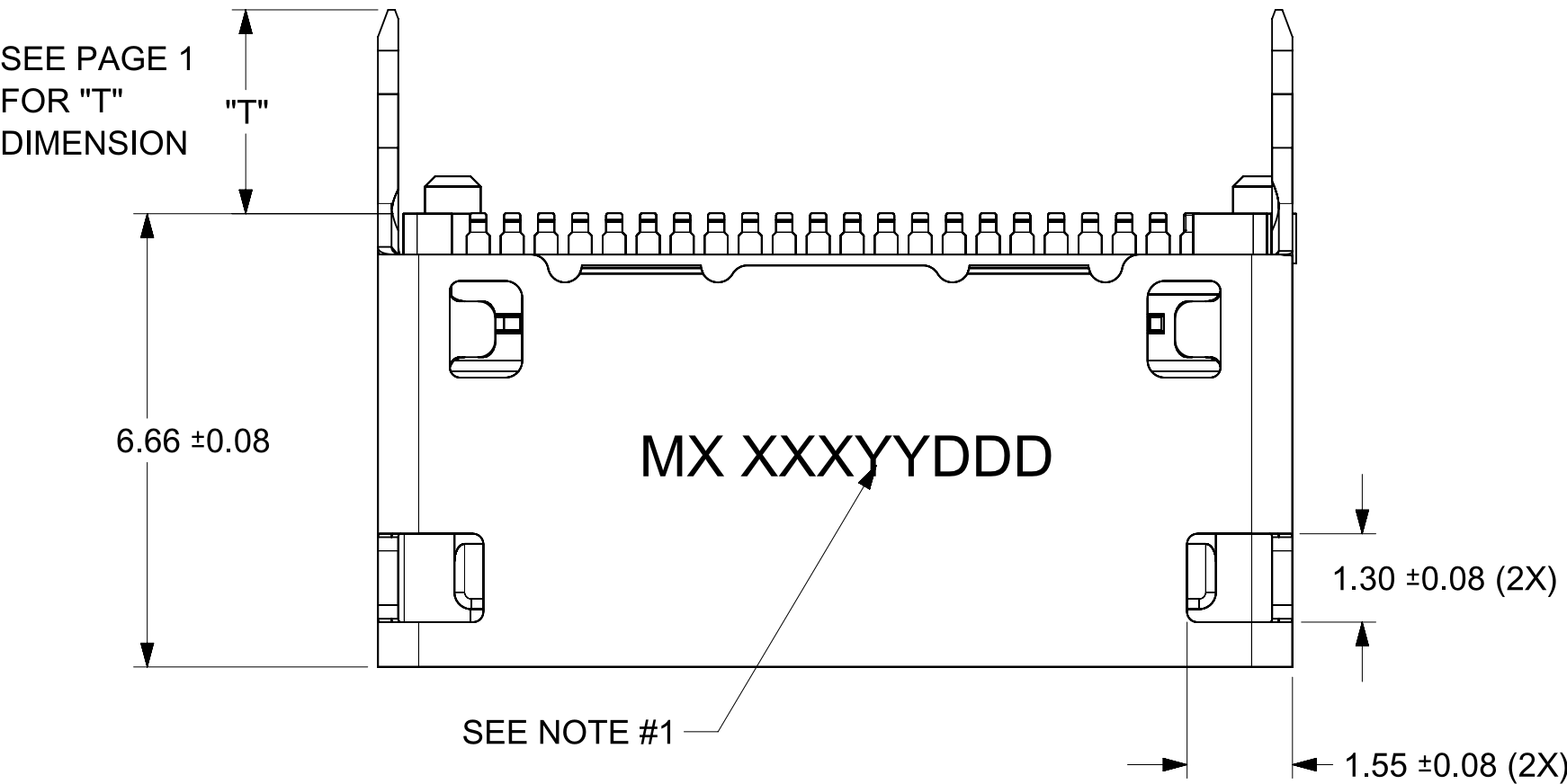
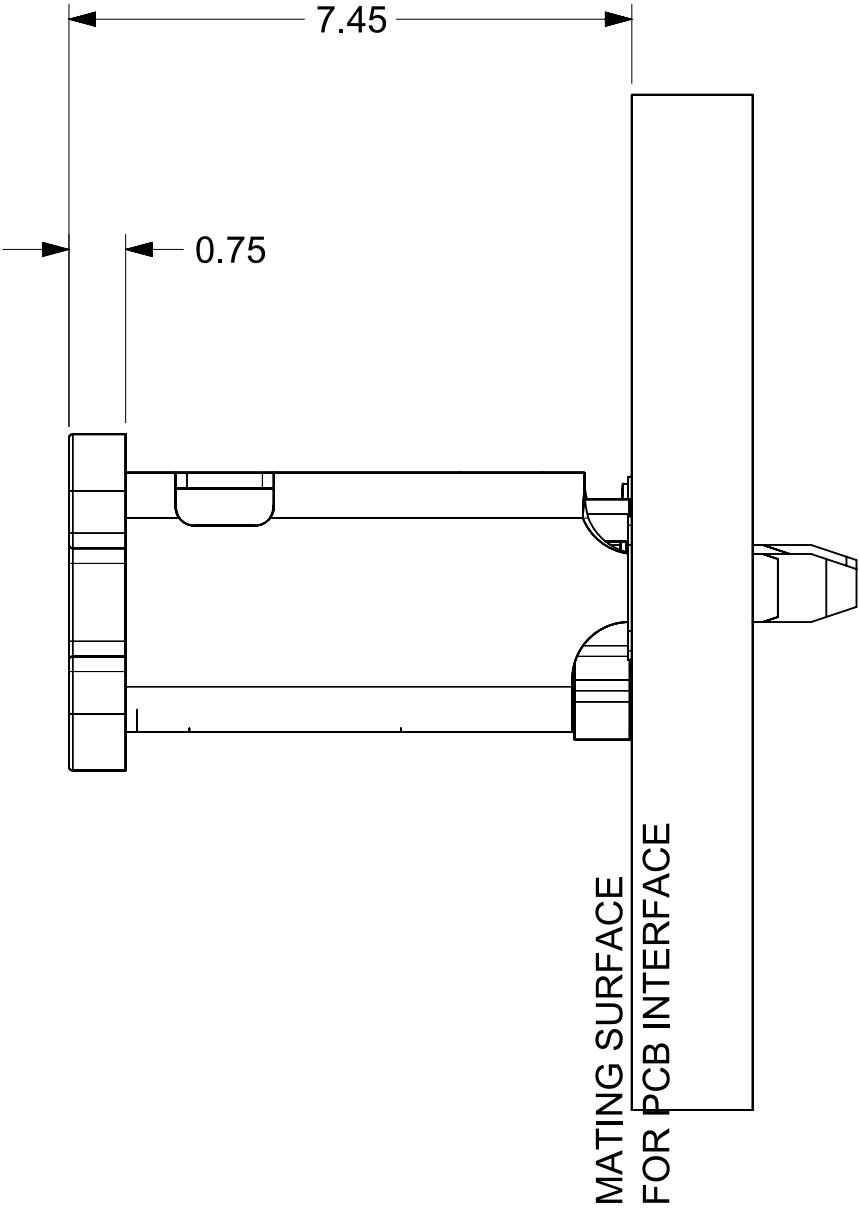


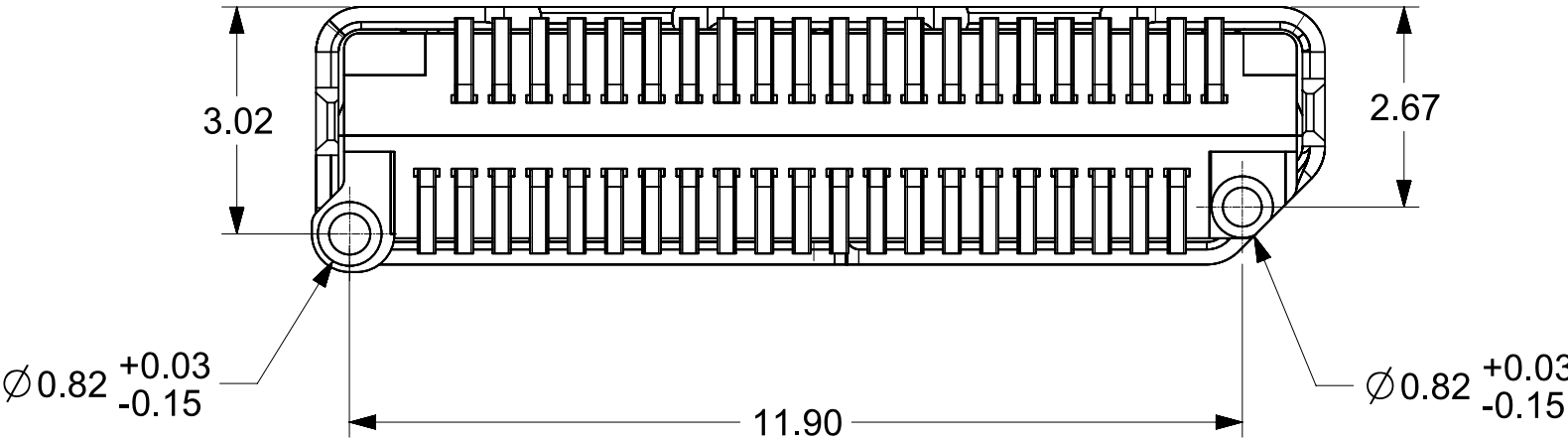
42 CIRCUIT TH ASSEMBLY



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

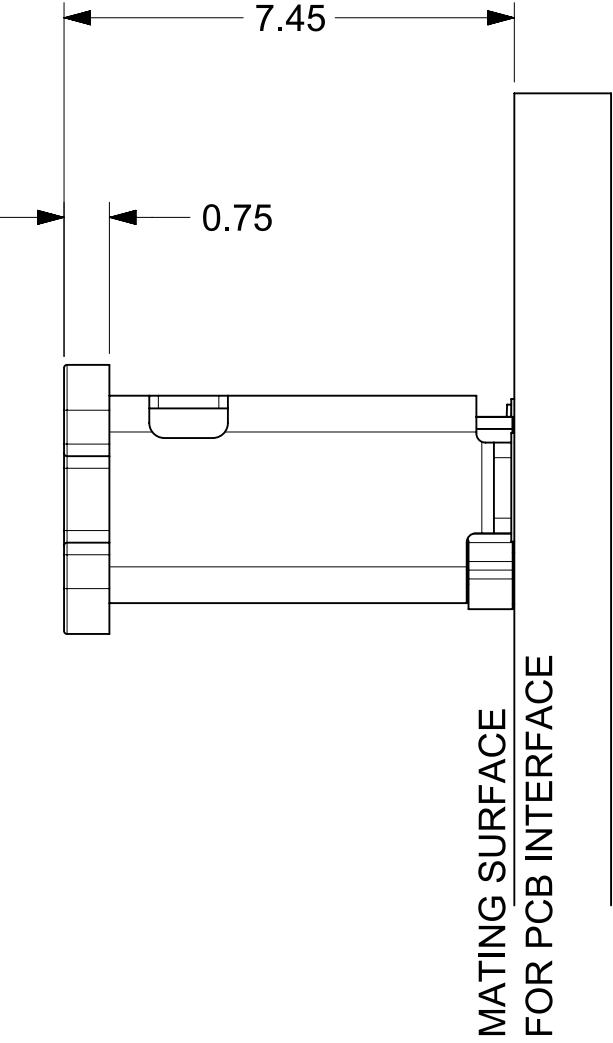
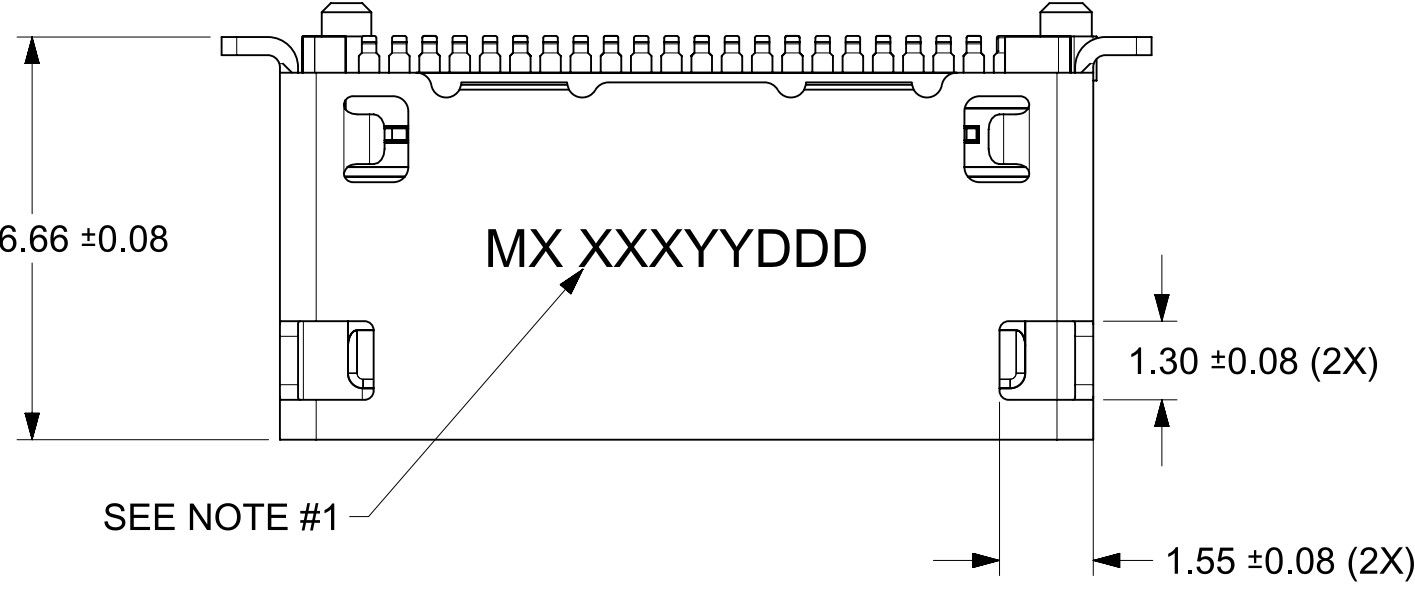


WITH CAP

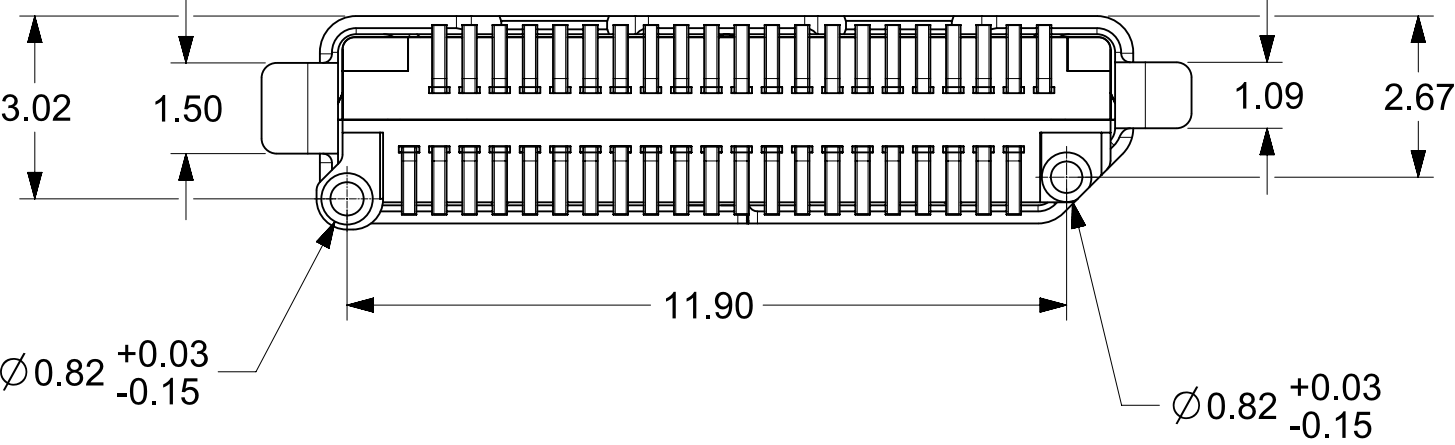
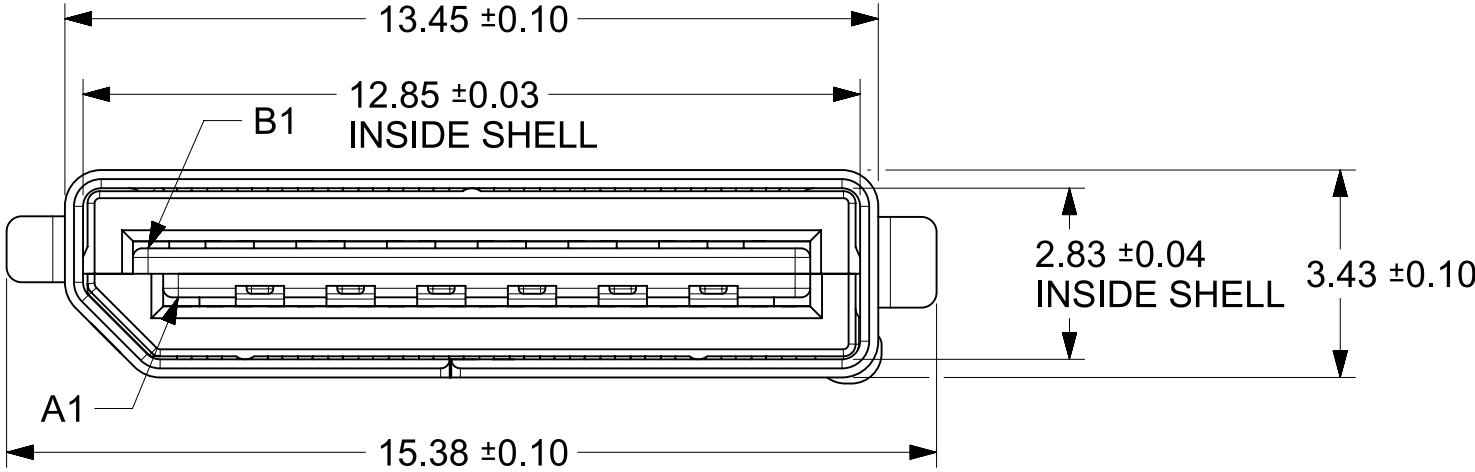


THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#516658				molex				
MM		10:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Production DRWN: Raghavendra H S 2026-02-10 CHK'D: Ganesh Rao B 2026-02-26 APPR: Gurunandan GA 2026-02-27				NANO PITCH I/O VERTICAL 4X				
		MM	INCH									
4 PLACES	±		±									
3 PLACES	±		±									
2 PLACES	±	0.130	±									
1 PLACE	±	0.25	±									
0 PLACES	±		±	INITIAL REVISION:				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	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
						C-SIZE	171983	SEE CHART		GENERAL MARKET		2 OF 8

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



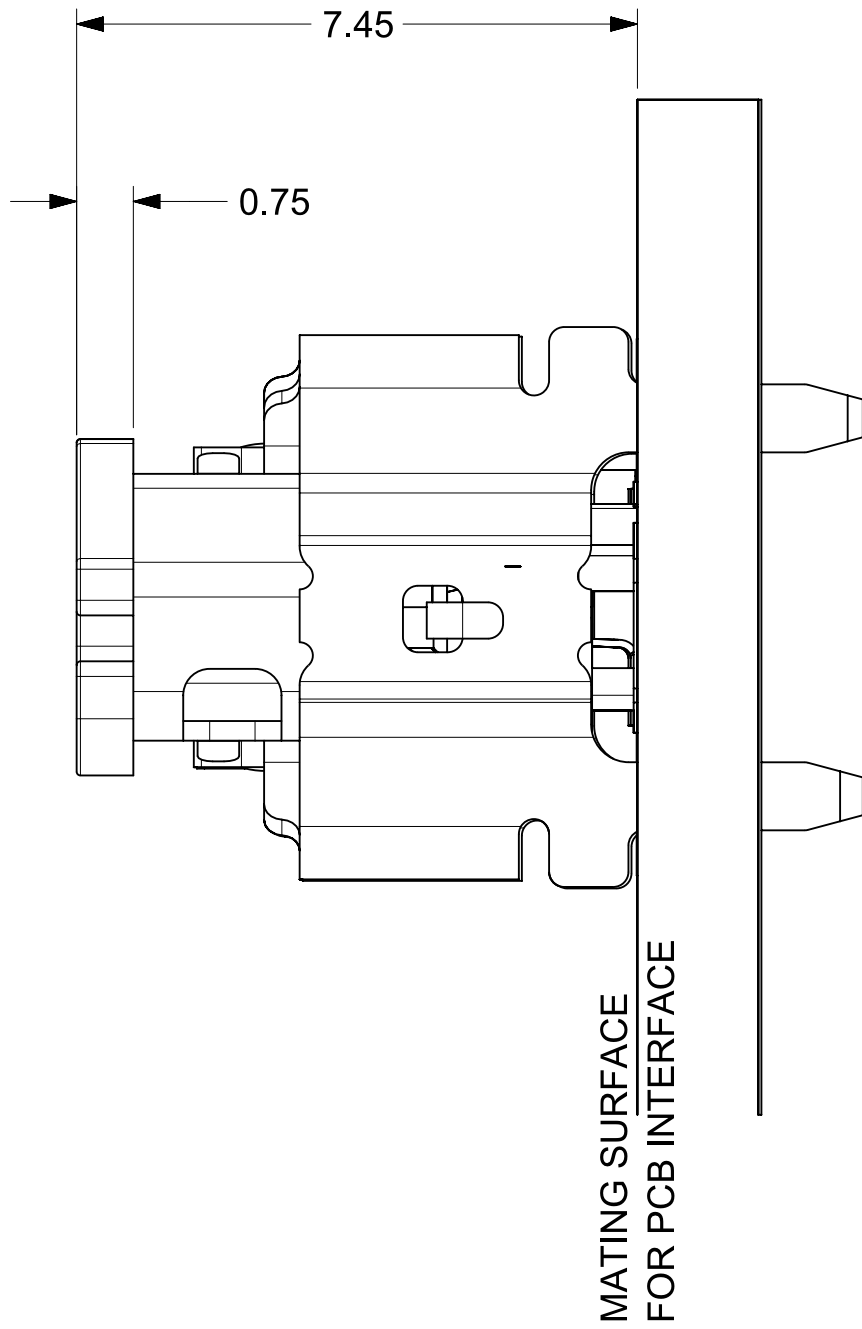
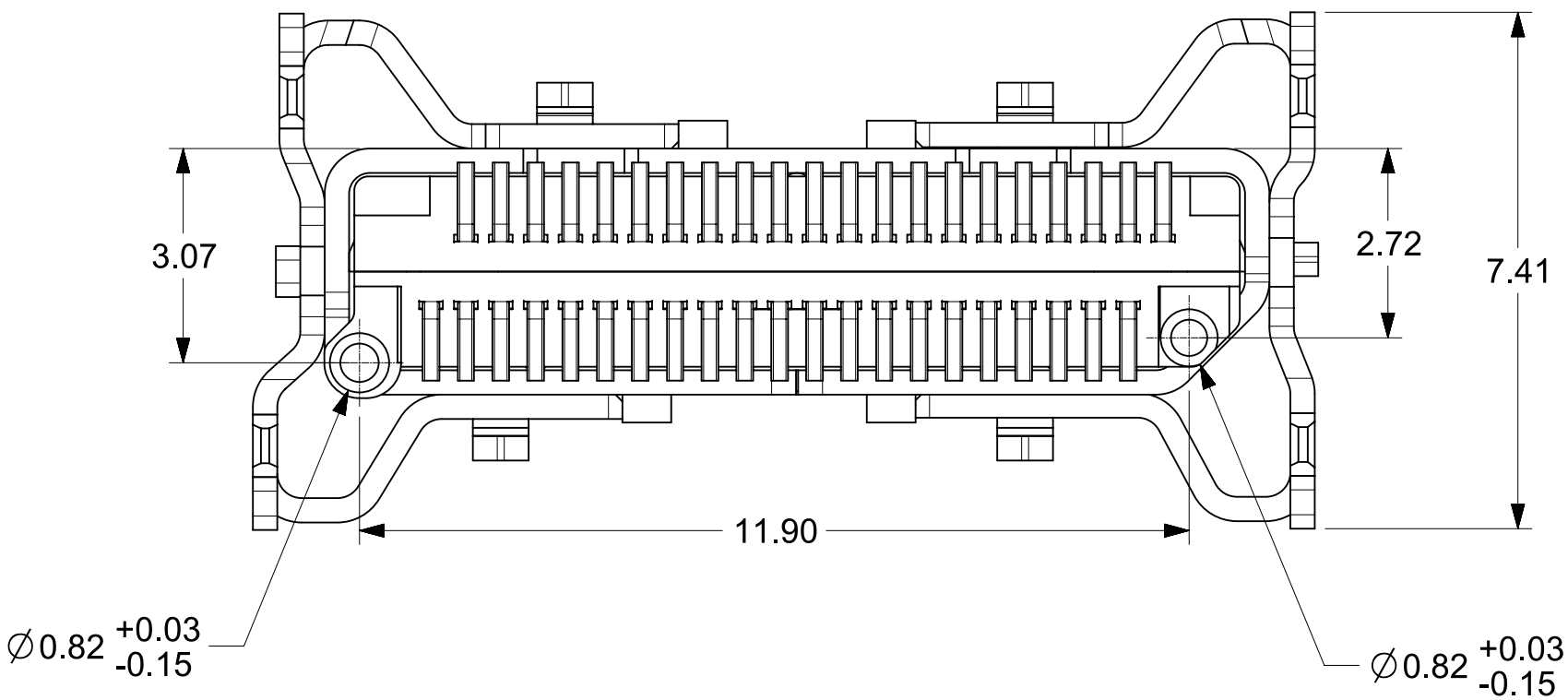
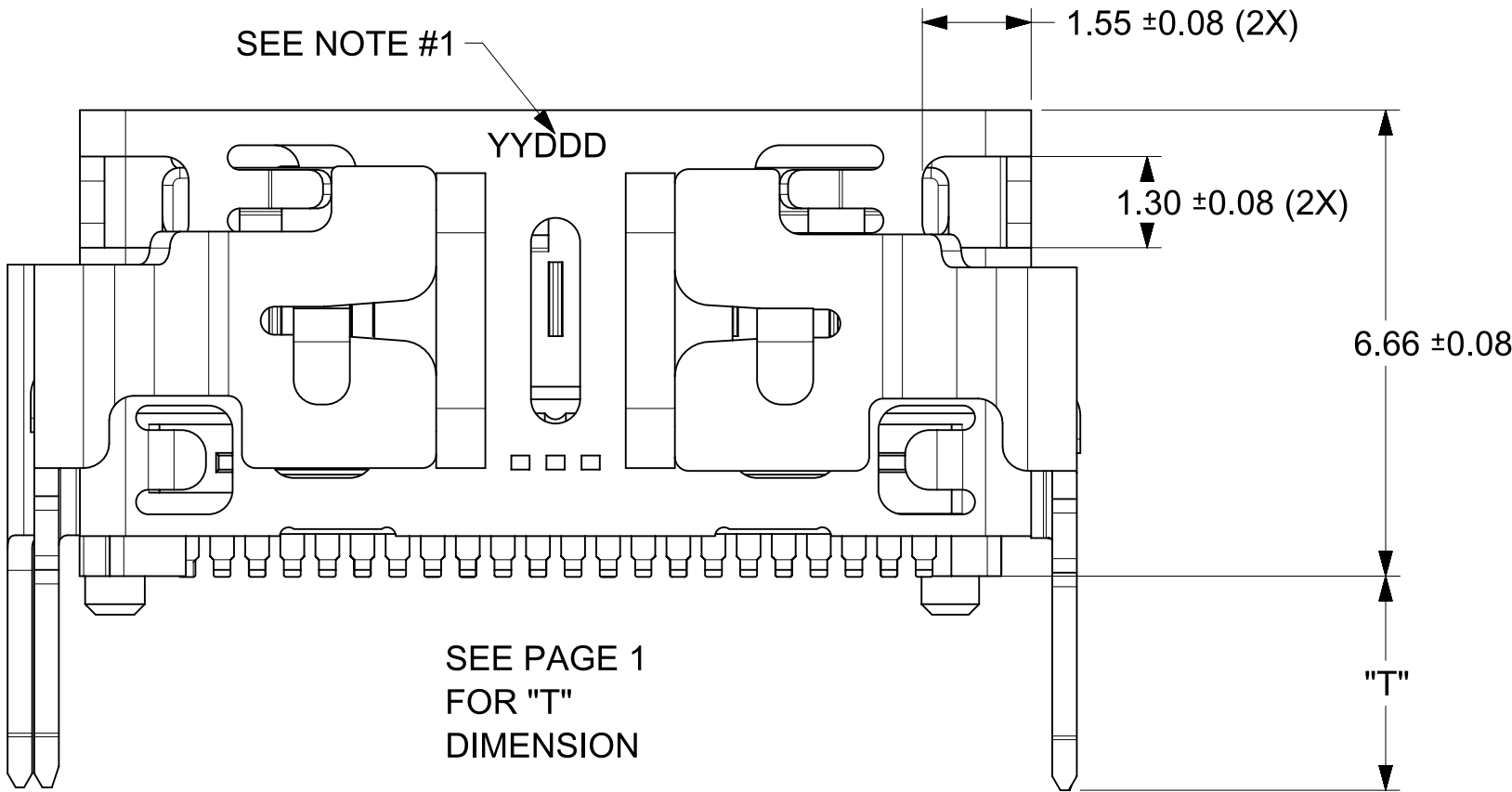
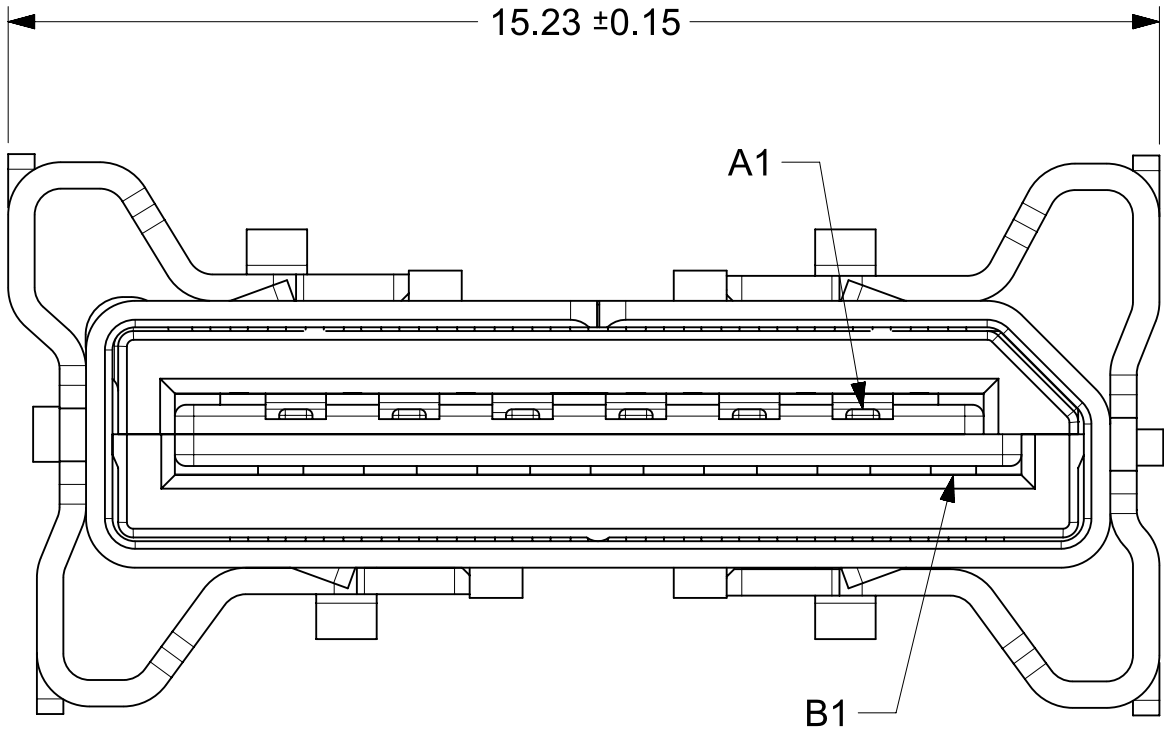
WITH CAP



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)				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	±		±	INITIAL REVISION:				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

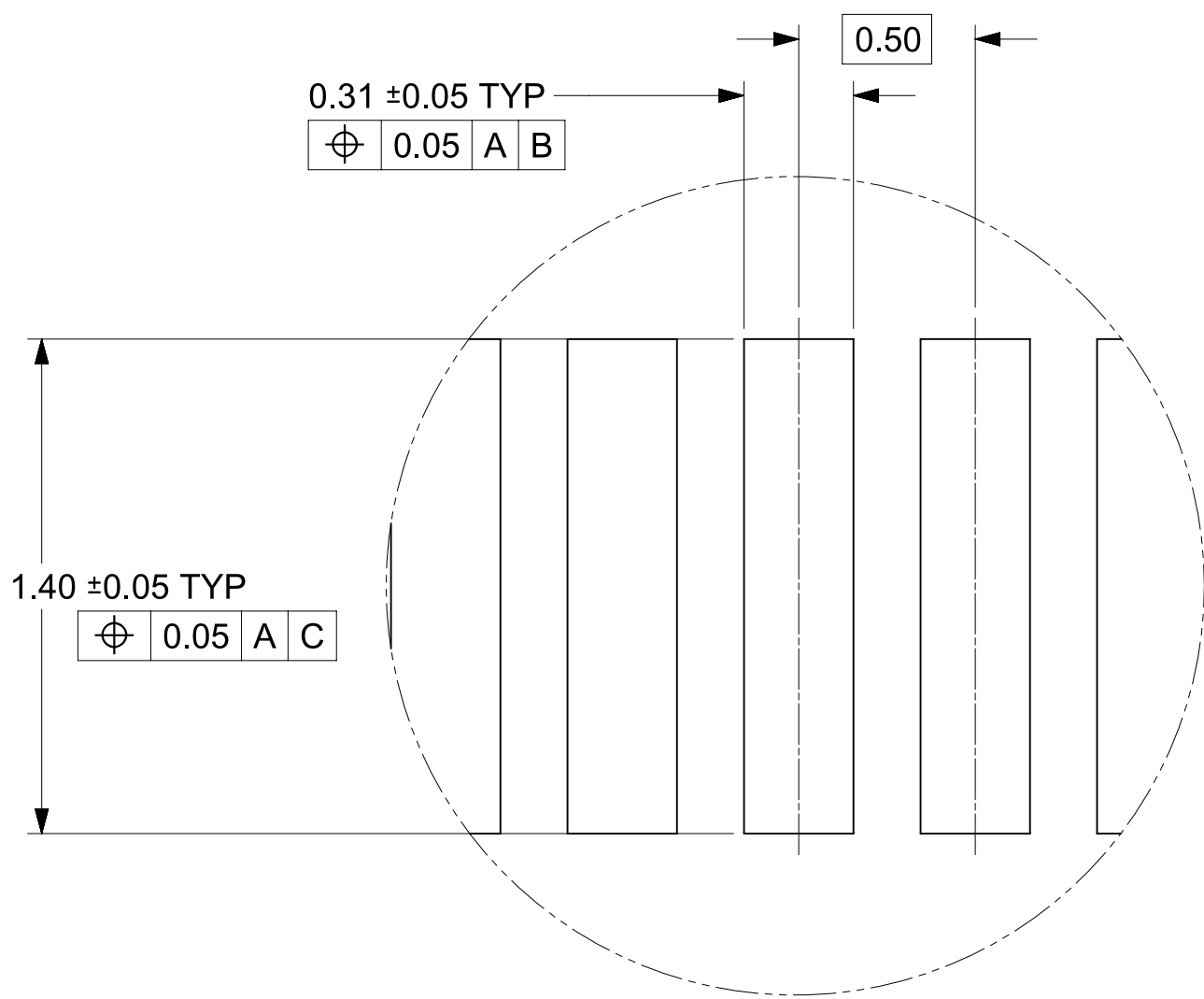
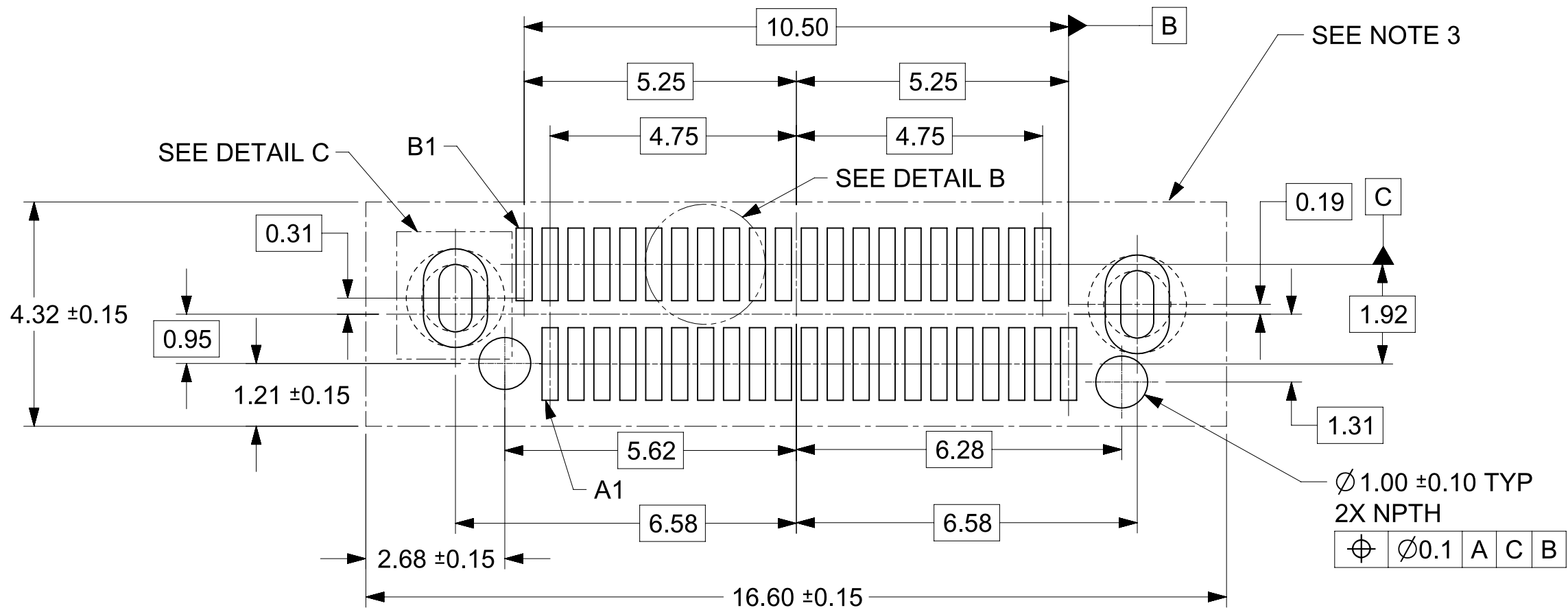


WITH CAP

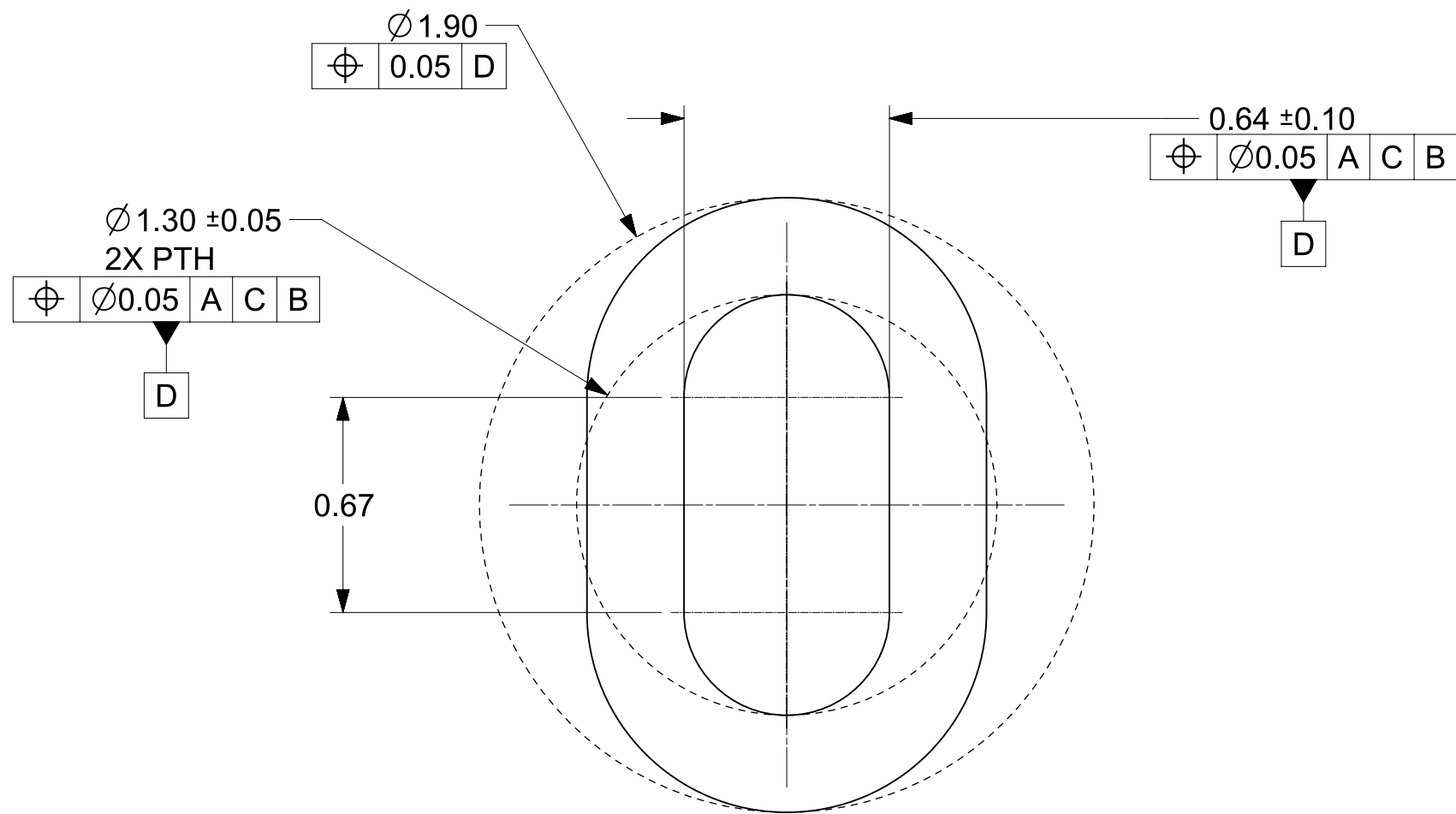
- NOTES:
1. MANUFACTURED DATE CODE (JULIAN CALENDAR)
 2. SOLDER TAIL COPLANARITY 0.10 MAX

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 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°		PRODUCT CUSTOMER DRAWING							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING C-SIZE		SERIES 171983		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
										SD-171983-1000		PSD	001	L1	
						C-SIZE		171983		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
										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						
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°		PRODUCT CUSTOMER DRAWING						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING				SERIES				
						C-SIZE		171983		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
										SD-171983-1000		PSD	001	L1
						C-SIZE		171983		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
										SEE CHART		GENERAL MARKET		5 OF 8

42 CIRCUIT COMMON TAIL/XD RECOMMENDED FOOTPRINT

SEE NOTE 3

SEE DETAIL D

SEE DETAIL F

SEE DETAIL E

DETAIL D
SCALE 30:1

DETAIL E
SCALE 30:1

DETAIL F
SCALE 30:1

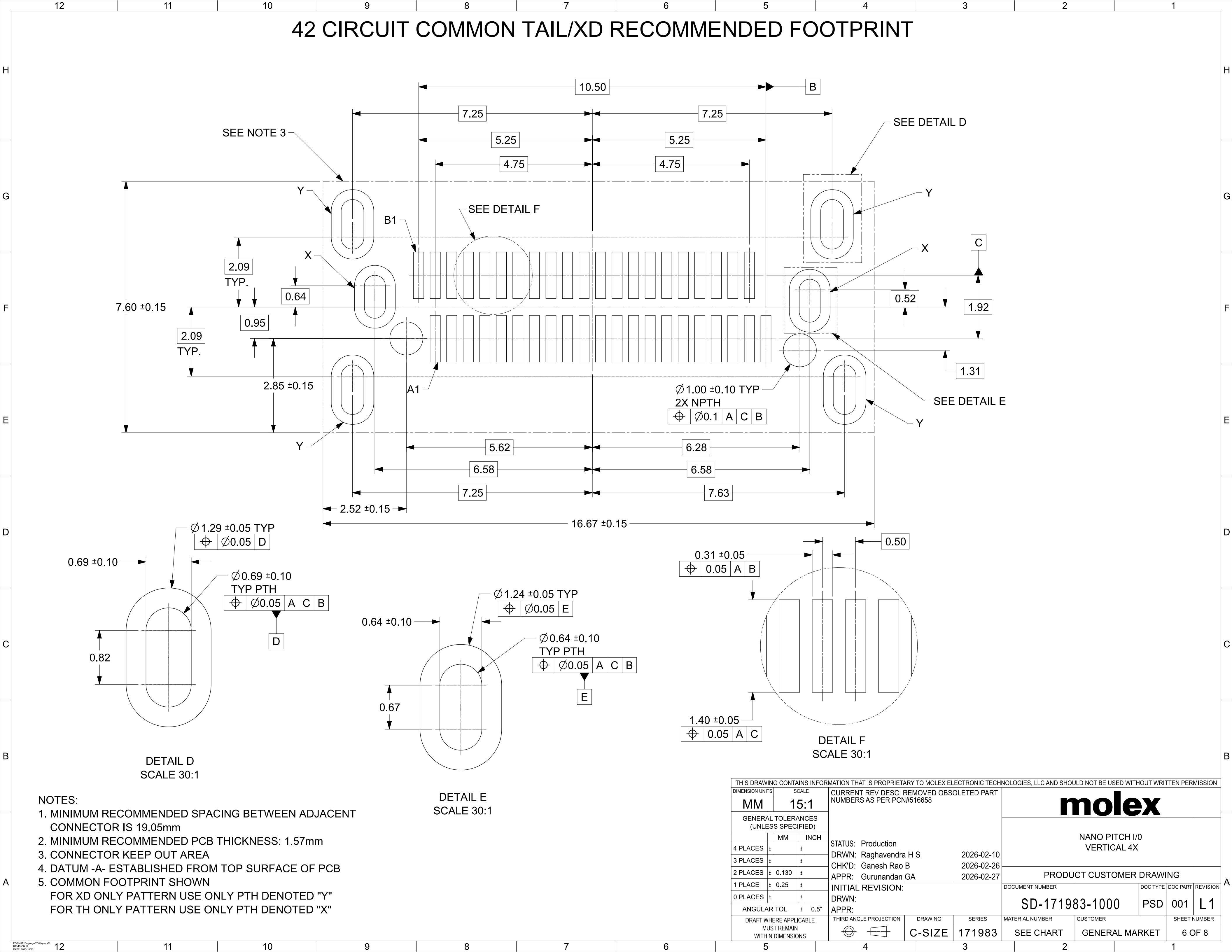
NOTES:

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
MM	15:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
	MM
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	

CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#516658	
STATUS: Production	
DRWN: Raghavendra H S	
CHK'D: Ganesh Rao B	
APPR: Gurunandan GA	
INITIAL REVISION:	
DRWN:	
APPR:	
THIRD ANGLE PROJECTION	
DRAWING	
SERIES	
MATERIAL NUMBER	
CUSTOMER	
SHEET NUMBER	

PRODUCT CUSTOMER DRAWING	
DOCUMENT NUMBER	DOC TYPE
SD-171983-1000	PSD
GENERAL MARKET	
6 OF 8	



42 CIRCUIT COMMON TAIL/XD RECOMMENDED FOOTPRINT

SEE NOTE 3

SEE DETAIL D

SEE DETAIL F

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
MM	15:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
	MM
4 PLACES	± 0.130
3 PLACES	± 0.25
2 PLACES	± 0.50
1 PLACE	± 0.75
0 PLACES	± 1.00
ANGULAR TOL	± 0.5°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#516658	
STATUS: Production	
DRWN: Raghavendra H S	
CHK'D: Ganesh Rao B	
APPR: Gurunandan GA	
INITIAL REVISION:	
DRWN:	
APPR:	
THIRD ANGLE PROJECTION	
DRAWING	
SERIES	
MATERIAL NUMBER	
CUSTOMER	
SHEET NUMBER	

PRODUCT CUSTOMER DRAWING			
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-171983-1000	PSD	001	L1
SEE CHART	GENERAL MARKET	6 OF 8	

- 42 CIRCUIT COMMON TAIL/XD RECOMMENDED FOOTPRINT

SEE NOTE 3

SEE DETAIL D

SEE DETAIL F

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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 3. CONNECTOR KEEP OUT AREA
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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
MM	15:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
	MM
4 PLACES	± 0.130
3 PLACES	± 0.25
2 PLACES	± 0.50
1 PLACE	± 0.75
0 PLACES	± 1.00
ANGULAR TOL	± 0.5°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#516658	
STATUS: Production	
DRWN: Raghavendra H S	
CHK'D: Ganesh Rao B	
APPR: Gurunandan GA	
INITIAL REVISION:	
DRWN:	
APPR:	
THIRD ANGLE PROJECTION	
DRAWING	
SERIES	
MATERIAL NUMBER	
CUSTOMER	
SHEET NUMBER	

PRODUCT CUSTOMER DRAWING			
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-171983-1000	PSD	001	L1
SEE CHART	GENERAL MARKET	6 OF 8	

42 CIRCUIT COMMON TAIL/XD RECOMMENDED FOOTPRINT

SEE NOTE 3

SEE DETAIL D

SEE DETAIL F

SEE DETAIL E

DETAIL D
SCALE 30:1

DETAIL E
SCALE 30:1

DETAIL F
SCALE 30:1

NOTES:

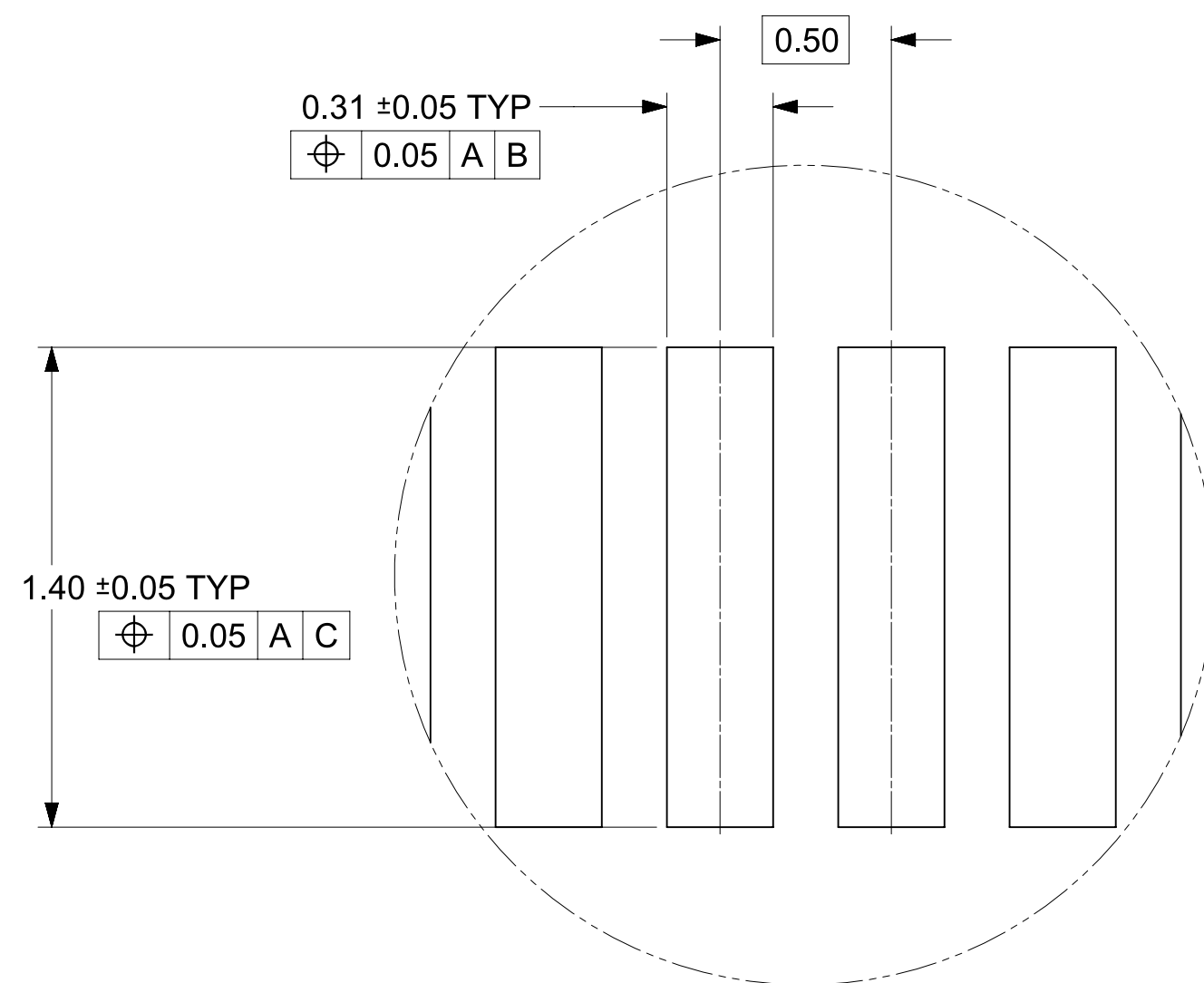
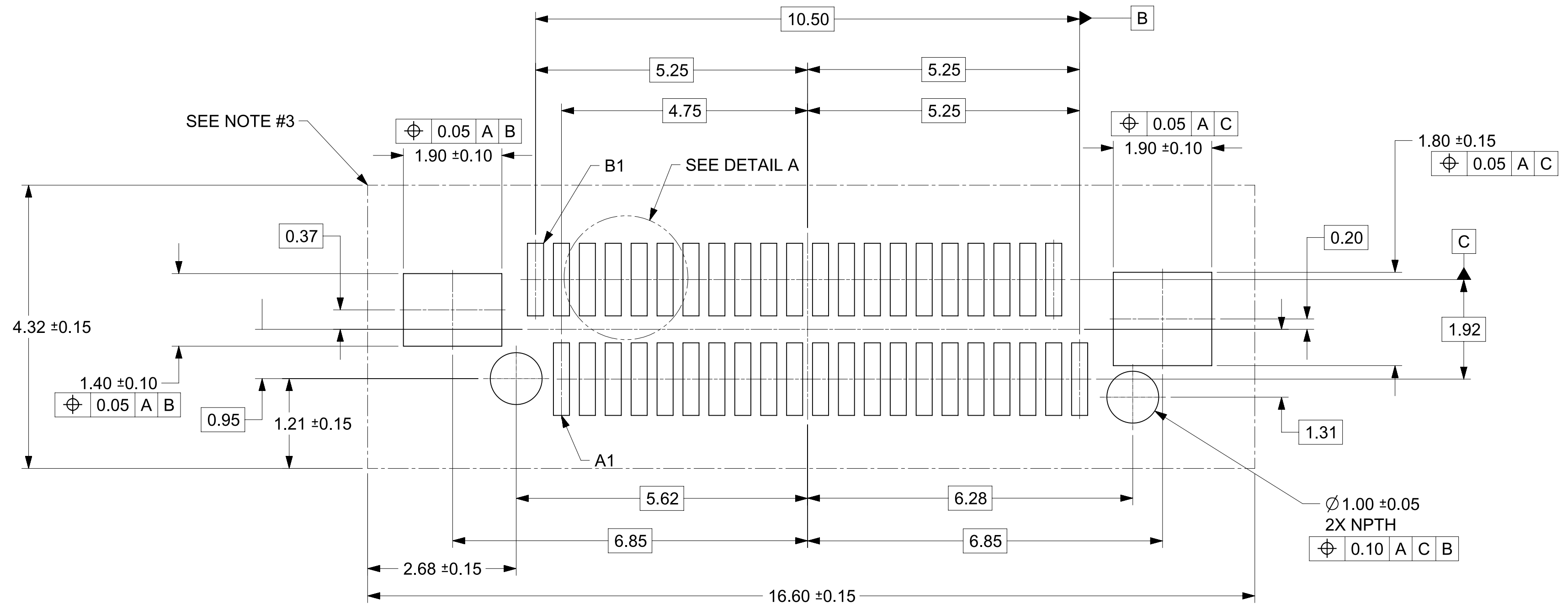
1. MINIMUM RECOMMENDED SPACING BETWEEN ADJACENT CONNECTOR IS 19.05mm
2. MINIMUM RECOMMENDED PCB THICKNESS: 1.57mm
3. CONNECTOR KEEP OUT AREA
4. DATUM -A- ESTABLISHED FROM TOP SURFACE OF PCB
5. COMMON FOOTPRINT SHOWN FOR XD ONLY PATTERN USE ONLY PTH DENOTED "Y" FOR TH ONLY PATTERN USE ONLY PTH DENOTED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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
DIMENSION UNITS	SCALE
MM	15:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
	MM
4 PLACES	± 0.130
3 PLACES	± 0.25
2 PLACES	± 0.50
1 PLACE	± 0.75
0 PLACES	± 1.00
ANGULAR TOL	± 0.5°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#516658	
STATUS: Production	
DRWN: Raghavendra H S	
CHK'D: Ganesh Rao B	
APPR: Gurunandan GA	
INITIAL REVISION:	
DRWN:	
APPR:	
THIRD ANGLE PROJECTION	
DRAWING	
SERIES	
MATERIAL NUMBER	
CUSTOMER	
SHEET NUMBER	

PRODUCT CUSTOMER DRAWING			
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-171983-1000	PSD	001	L1
SEE CHART	GENERAL MARKET	6 OF 8	

42 CIRCUIT SMT RECOMMENDED FOOTPRINT



DETAIL A
SCALE 50:1

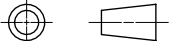
NOTES:

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				
MM		15:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)											
	MM	INCH									
4 PLACES	±	±									
3 PLACES	±	±		STATUS: Production DRWN: Raghavendra H S2026-02-10 CHK'D: Ganesh Rao B2026-02-26 APPR: Gurunandan GA2026-02-27			NANO PITCH I/O VERTICAL 4X				
2 PLACES	± 0.130	±									
1 PLACE	± 0.25	±									
0 PLACES	±	±		INITIAL REVISION:			PRODUCT CUSTOMER DRAWING				
ANGULAR TOL ± 0.5°											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER
				C-SIZE		171983		SEE CHART	GENERAL MARKET		7 OF 8

	12	11	10	9	8	7	6	5	4	3	2	1
H												
G												
F												
E												
D												
C												
B												
A												

REVISION HISTORY		
DATE	REV	DESCRIPTION
2022/06/12	L	WITHOUT CAP VERSION CONNECTOR ADDED. SHEET 1: H12: WITHOUT CAP VERSION CONNECTOR DETAILS ADDED TO THE TABLE SHEET 3: H7: WITH AND WITHOUT CAP VERSION CONNECTOR NUMBERS ADDED.
2026/02/10	L1	REMOVED OBSOLETED PART NUMBERS 1719832542, 1719833142 & 1719833442

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 OBSOLETED PART NUMBERS AS PER PCN#516658				molex										
MM		1:1																
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°		PRODUCT CUSTOMER DRAWING										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING							SERIES		MATERIAL NUMBER		CUSTOMER	
						C-SIZE		171983				GENERAL MARKET		8 OF 8				