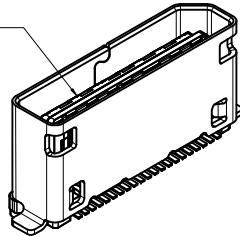


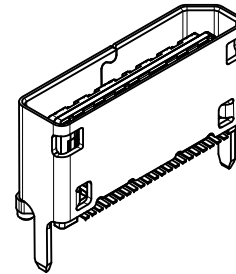
	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
	STATUS	MATERIAL NUMBER	PIN OUT OPTIONS	MATING LEVELS	CIRCUIT SIZE	SHELL ATTACH OPTION	DUST CAP COLOR	PLASTIC COLOR	DIM "T" OPTION 1											
	TOOLED	171983-0142	4X	3	42	SMT	BLACK	BLACK	-											
	NOT TOOLED	171983-0342	4X	3	42	SMT	BLACK	NATURAL	-											
	TOOLED	171983-2042	4X	3	42	TH	BLACK	BLACK	3.00											
	TOOLED	171983-2342	4X	3	42	TH	BLACK	NATURAL	3.00											
	NOT TOOLED	171983-2442	4X	3	42	TH	BLACK	BLACK	2.36											
	NOT TOOLED	171983-2542	4X	3	42	TH	BLACK	NATURAL	2.36											
	NOT TOOLED	171983-2642	4X	3	42	TH	BLACK	BLACK	1.57											
	NOT TOOLED	171983-2742	4X	3	42	TH	BLACK	NATURAL	1.57											
	TOOLED	171983-3042	4X	3	42	XD	BLACK	BLACK	3.00											
	NOT TOOLED	171983-3142	4X	3	42	XD	BLACK	NATURAL	3.00											
	NOT TOOLED	171983-3242	4X	3	42	XD	BLACK	BLACK	2.36											
	NOT TOOLED	171983-3342	4X	3	42	XD	BLACK	NATURAL	2.36											
	NOT TOOLED	171983-3442	4X	3	42	XD	BLACK	BLACK	1.57											
	NOT TOOLED	171983-3542	4X	3	42	XD	BLACK	NATURAL	1.57											

42 CIRCUIT SMT SHELL

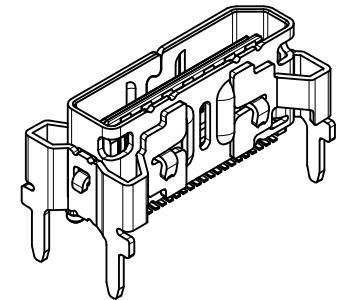
PLASTIC COLOR
SEE TABLE,
TYPICAL



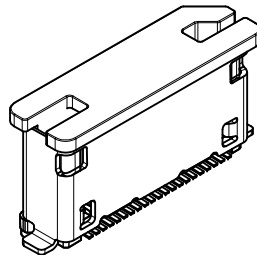
42 CIRCUIT THRU HOLE SHELL



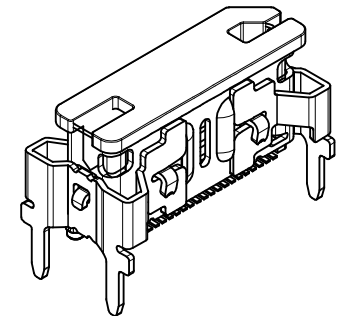
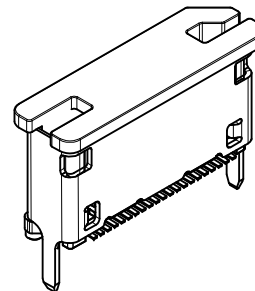
42 CIRCUIT XD SHELL



42 CIRCUIT SMT SHELL W/ CAP



42 CIRCUIT XD SHELL W/ CAP



42 CIRCUIT THRU HOLE SHELL W/ CAP

NOTES:

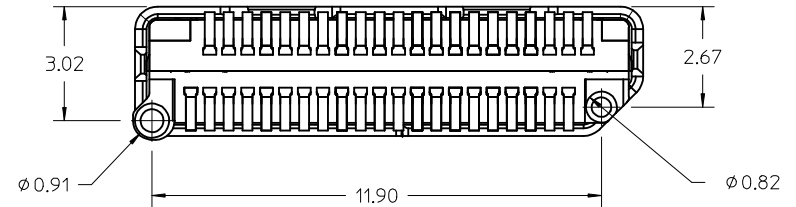
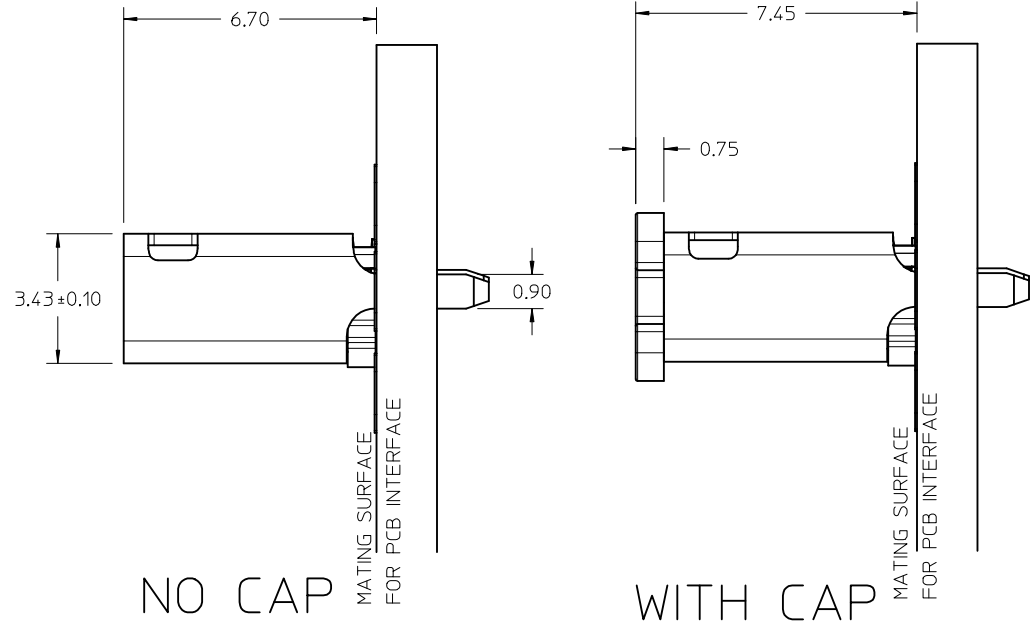
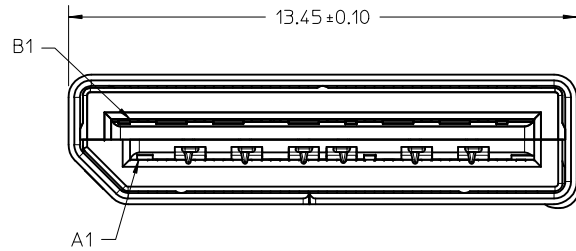
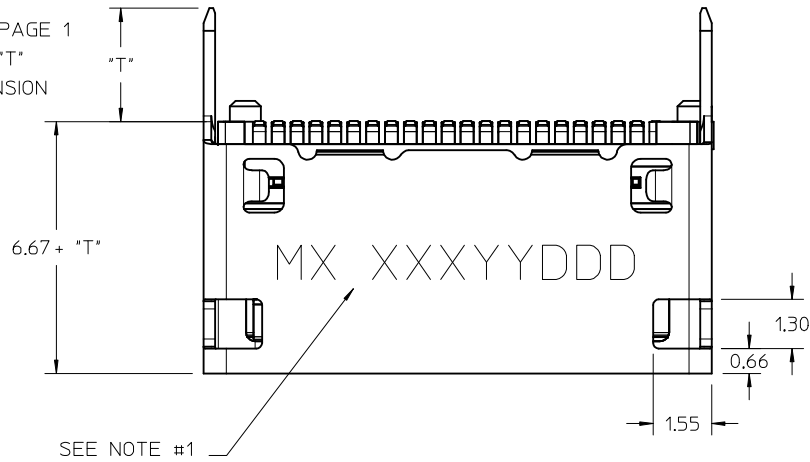
- MATERIALS:
HOUSING - GLASS FILLED THERMOPLASTIC, 94V-0
CONTACTS - HIGH PERFORMANCE COPPER ALLOY
SHIELD - STAINLESS STEEL
- FINISH:
CONTACTS - 0.76 μ m MIN. GOLD MATING SIDE
2.54 μ m TIN ON SOLDER TAILS
2.0 μ m MIN. NICKEL UNDERPLATE OVERALL

SHIELD - MATTE TIN OVER 1.27 μ m MIN. NICKEL
- PRODUCT SPECIFICATION: PS-171982-0001
- PACKAGING SPECIFICATION: PK-171982-9000
- MATES WITH: MOLEX CABLE SERIES 100436
PER INDUSTRY STANDARD PCIe OCuLink OR SFF-8612
- APPLICATION SPECIFICATION: AS-173162-0001
- COSMETIC SPECIFICATION: PS-173162-0001
- ASSEMBLY PART NUMBER AND DATE CODE TO BE
LOCATED APPROXIMATELY AS SHOWN, DATE CODE
TO SHOW THE DATE AND YEAR OF ASSEMBLY (DDYY OR YDDD)

IFX DATECODE CALLOUT EC NO: UCP2017-2519 DRAWN BY: 2017/05/19 CHKD: 2017/06/01 APPROV: MILLER REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH						
		4 PLACES	±---	±---	DRAWN BY MJANTELEZ10	DATE 2015/10/22	TITLE NANO PITCH I/O VERTICAL PRE R1.0 - 16 GT/S molex			
		3 PLACES	±---	±---	CHECKED BY	DATE				
		2 PLACES	±0.13	±---	APPROVED BY	DATE				
		1 PLACE	±0.25	±---	MBANAKIS	2015/11/09				
		0 PLACE	±---	±---	MATERIAL NO.		DOCUMENT NO.			
		ANGULAR ±1/2°		SEE CHART		SD-171983-1000		SHEET NO. 1 OF 8		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

42 CIRCUIT TH ASSEMBLY

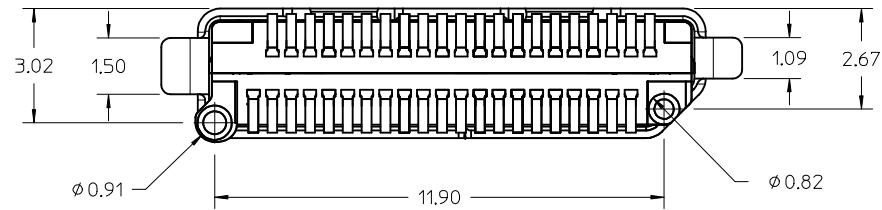
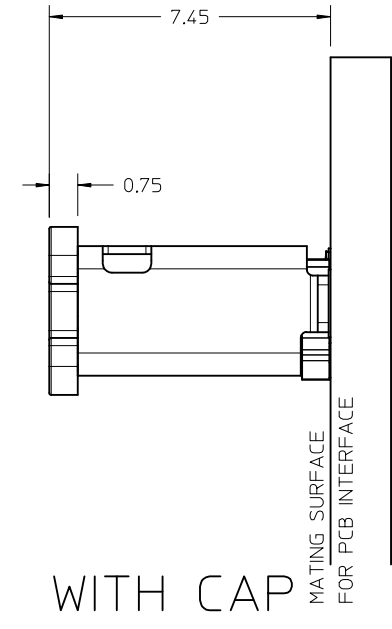
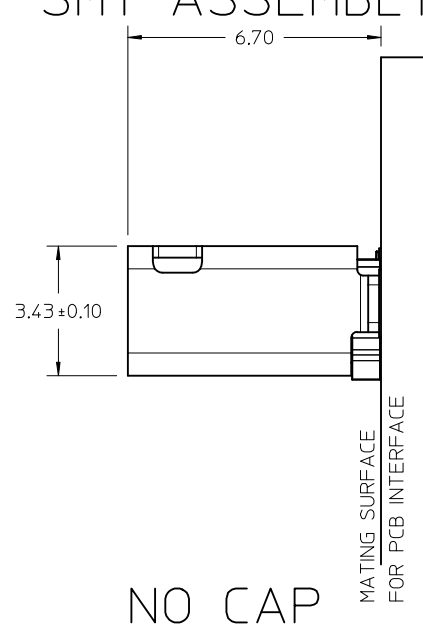
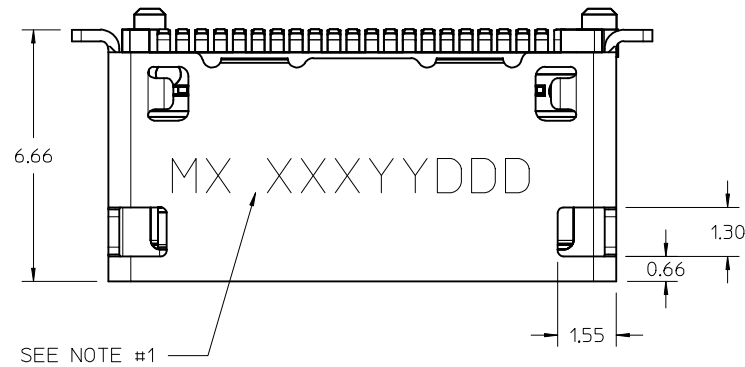
SEE PAGE 1
FOR "T"
DIMENSION



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

SEE SHEET 1 EC NO: UCP2017-2519 DRWNSVANG01 2017/05/19 CHKD: APPR:SMILLER 2017/06/01	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION					
				mm	INCH	DRAWN BY MJANTELEZIO	DATE 2015/10/22	TITLE NANO PITCH I/O VERTICAL PRE R1.0 - 16 GT/S							
			4 PLACES	± ---	± ---	CHECKED BY	DATE								
			3 PLACES	± ---	± ---	APPROVED BY DATE 2015/11/09		DOCUMENT NO. SD-171983-1000							
			2 PLACES	± 0.13	± ---							MATERIAL NO. SEE SHEET 1		SHEET NO. 2 OF 8	
			1 PLACE	± 0.25	± ---										
			0 PLACE	± ---	± ---										
			ANGULAR ±1/2°												
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

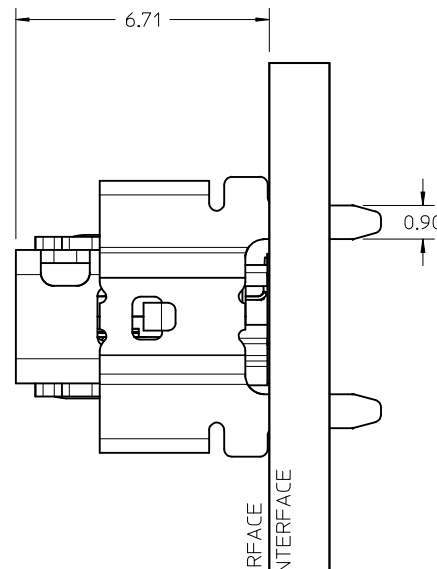
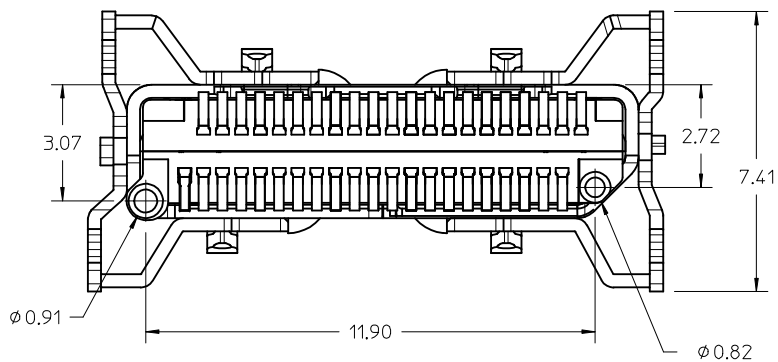
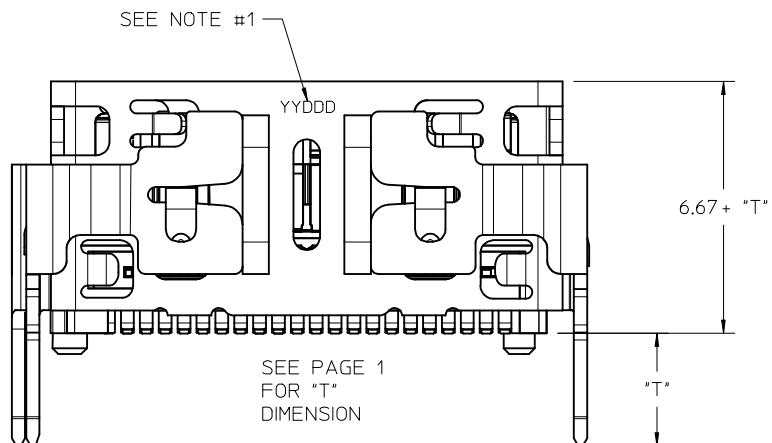
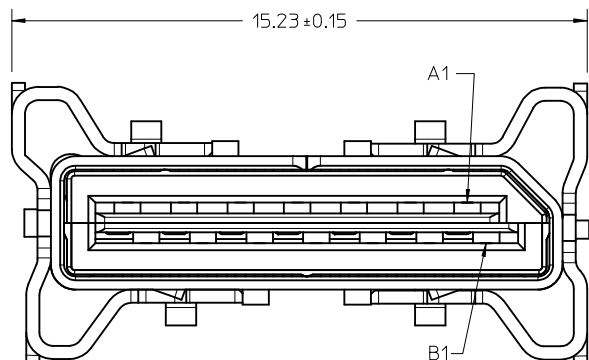
42 CIRCUIT SMT ASSEMBLY



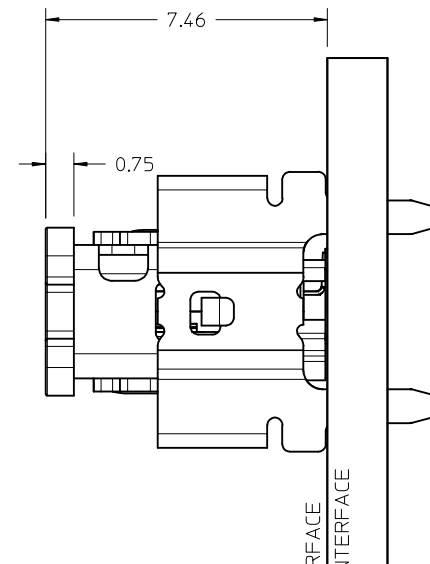
- NOTES:
1. PLANT CODE, MANUFACTURED DATE CODE (JULIAN CALENDAR) AND PART NUMBER
 2. SOLDER TAIL COPLANARITY 0.10 MAX

SEE SHEET 1 EC NO: UCP2017-2519 DRAWN: VANG01 CHKD: APPR: SMILLER REV	DESCRIPTION 2017/05/19 2017/06/01	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY MJANTELEZIO	DATE 2015/10/22	TITLE NANO PITCH I/O VERTICAL PRE R1.0 - 16 GT/S molex				
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± ---	APPROVED BY MBANAKIS		DATE 2015/11/09				
			2 PLACES	± 0.13	± ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
			1 PLACE	± 0.25	± ---	SEE SHEET 1		SD-171983-1000		3 OF 8		
			0 PLACE	± ---	± ---	SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
			ANGULAR ±1/2°									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

42 CIRCUIT XD ASSEMBLY



NO CAP



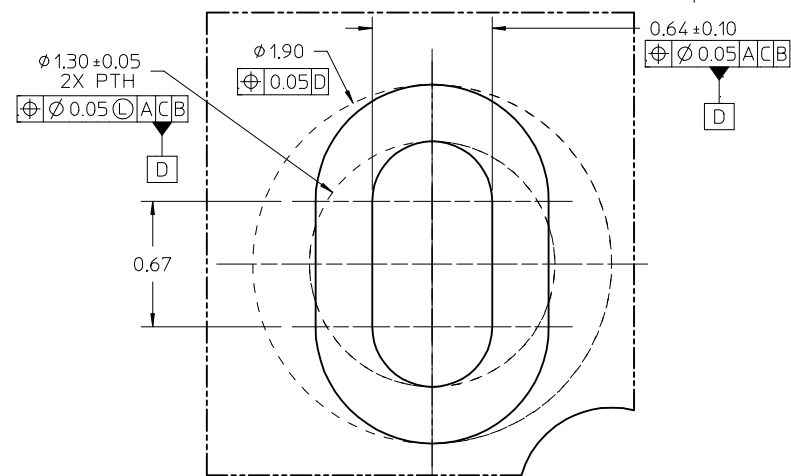
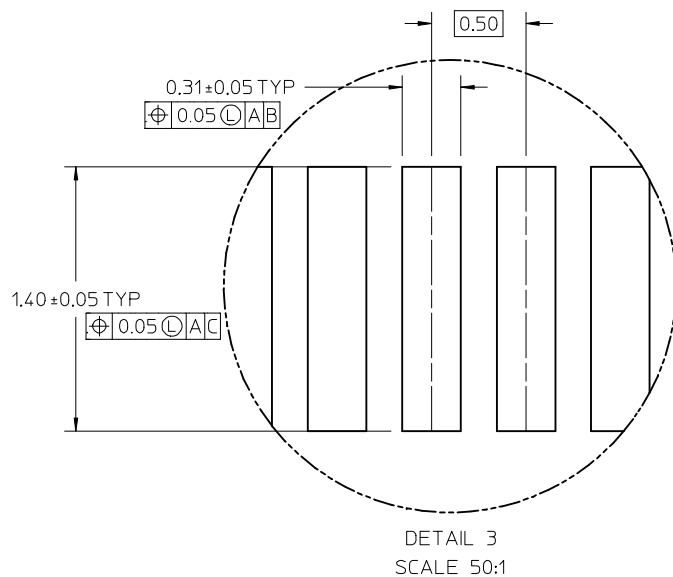
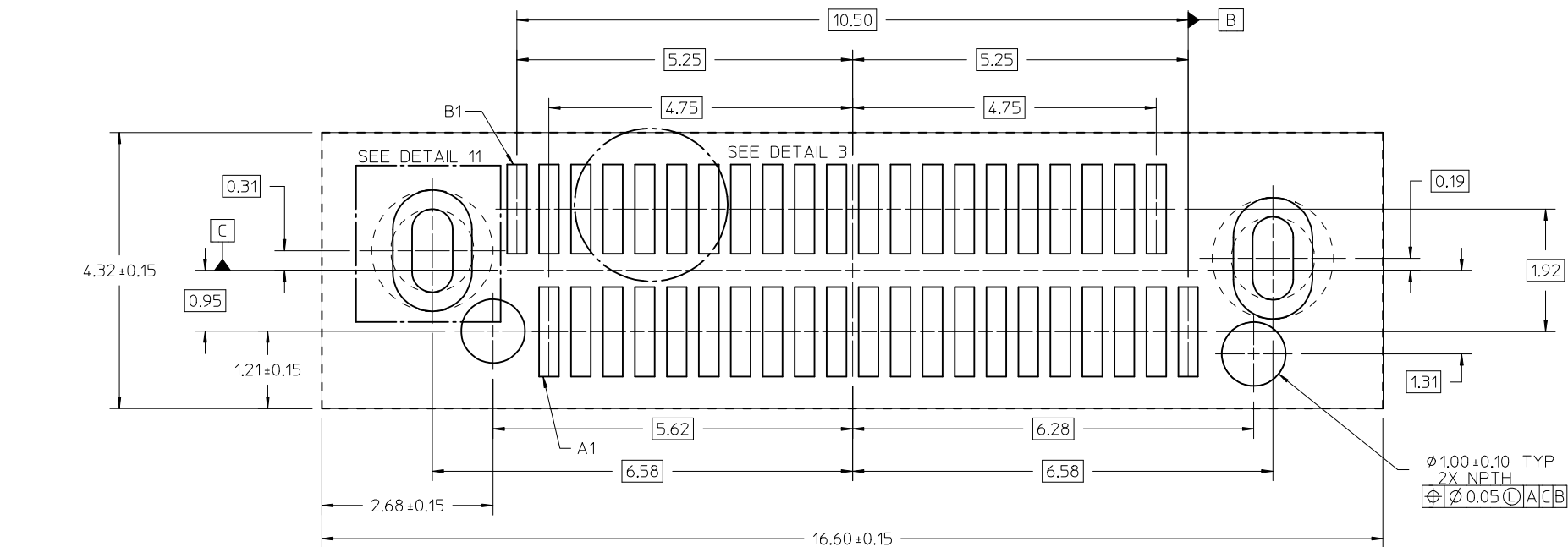
WITH CAP

NOTES:

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

SEE SHEET 1 EC NO: UCP2017-2519 DRWNSVANG01 2017/05/19 CHKD: APPR:SMILLER 2017/06/01	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY MJANTELEZIO	DATE 2015/10/22	TITLE NANO PITCH I/O VERTICAL PRE R1.0 - 16 GT/S			
			4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	CHECKED BY	DATE				
			2 PLACES ± 0.13 ± ---	1 PLACE ± 0.25 ± ---	APPROVED BY		DATE	molex		
			0 PLACE ± --- ± ---		MBANAKIS		2015/11/09			
			ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.			SHEET NO.
	DRAFT WHERE APPLICABLE		SEE SHEET 1		SD-171983-1000		4 OF 8			
	MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

42 CIRCUIT TAIL RECOMMENDED FOOTPRINT



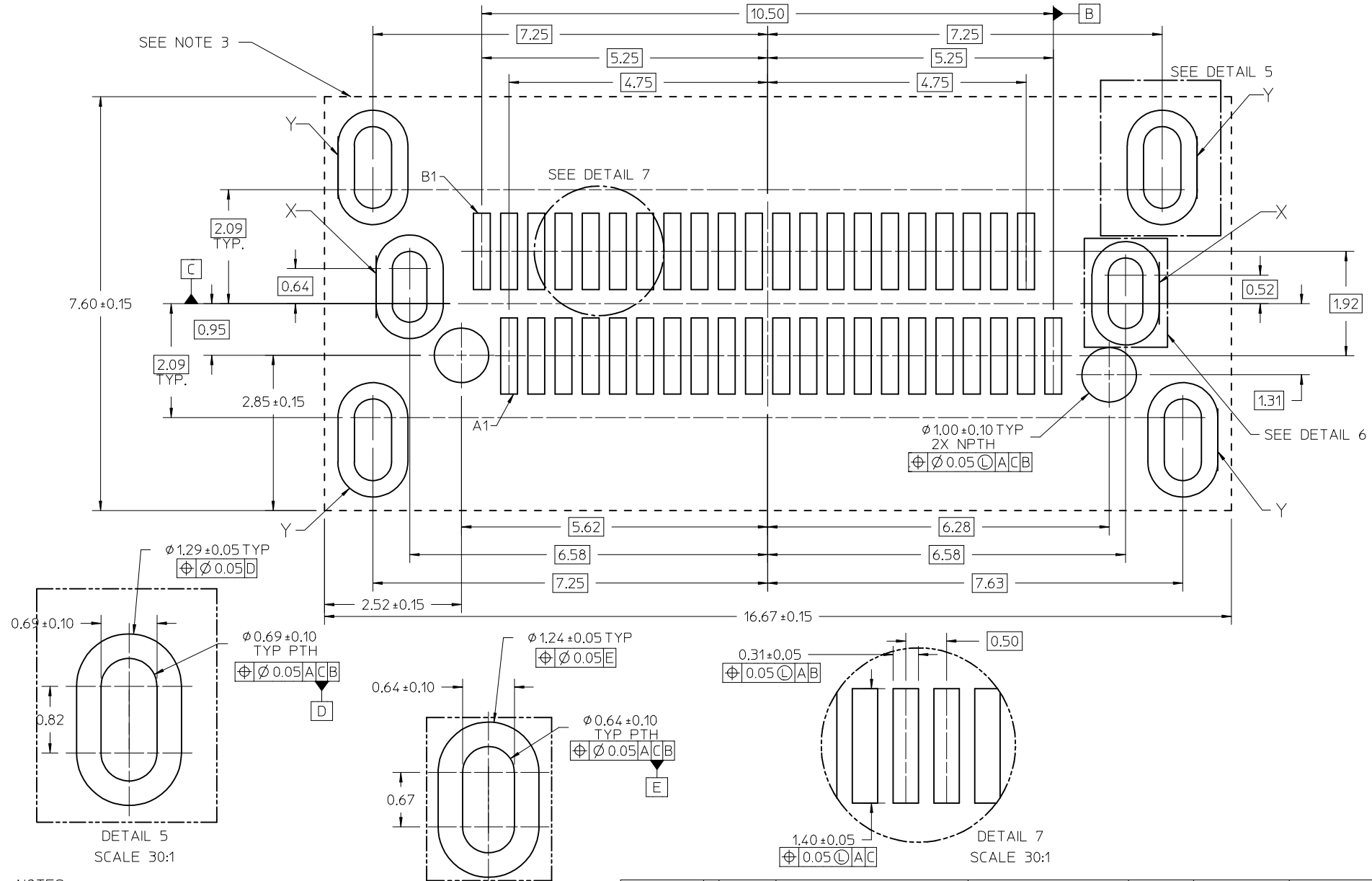
DETAIL 11
SCALE 50:1

- 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

SEE SHEET 1 EC NO: UCP207-2519 DRWNS:VANG01 2017/05/19 CHKD: APPR: SMILLER 2017/06/01	DESCRIPTION REV	QUALITY SYMBOLS F=0 E=0 D=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 		
					DRAWN BY DATE MJANTELEZIO 2015/10/22		TITLE NANO PITCH I/O VERTICAL PRE R1.0 - 16 GT/S				
					CHECKED BY DATE						
					APPROVED BY DATE MBANAKIS 2015/11/09		molex				
					MATERIAL NO.						
			DRAFT WHERE APPLICABLE SEE SHEET 1				SD-171983-1000		5 OF 8		
			MUST REMAIN WITHIN DIMENSIONS								

42 CIRCUIT COMMON TAIL/XD RECOMMENDED FOOTPRINT

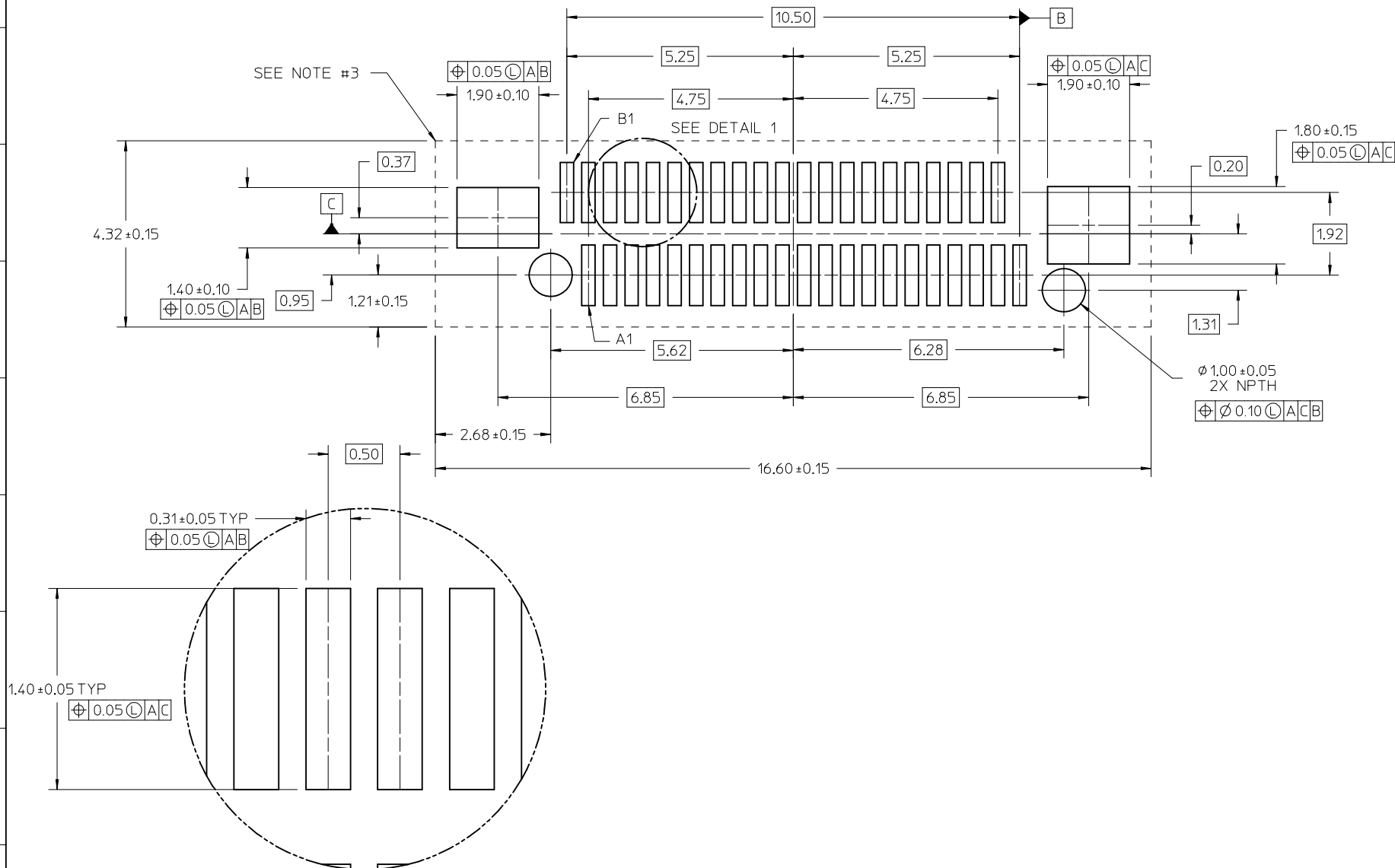


NOTES:

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"

SEE SHEET 1 EC NO: UCP2017-2519 DRWNSVANG01 2017/05/19 CHKD: APPR:SMILLER 2017/06/01 REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 15:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION						
			mm INCH			DRAWN BY DATE MJANTELEZIO 2015/10/22		TITLE NANO PITCH I/O VERTICAL PRE R1.0 - 16 GT/S								
						CHECKED BY DATE										
			4 PLACES ± --- ± ---			APPROVED BY DATE MBANAKIS 2015/11/09		molex								
			3 PLACES ± --- ± ---													
			2 PLACES ± 0.13 ± ---			MATERIAL NO. SEE SHEET 1					DOCUMENT NO. SD-171983-1000		SHEET NO. 6 OF 8			
			1 PLACE ± 0.25 ± ---													
			0 PLACE ± --- ± ---			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
			ANGULAR ±1/2°													

42 CIRCUIT SMT RECOMMENDED FOOTPRINT

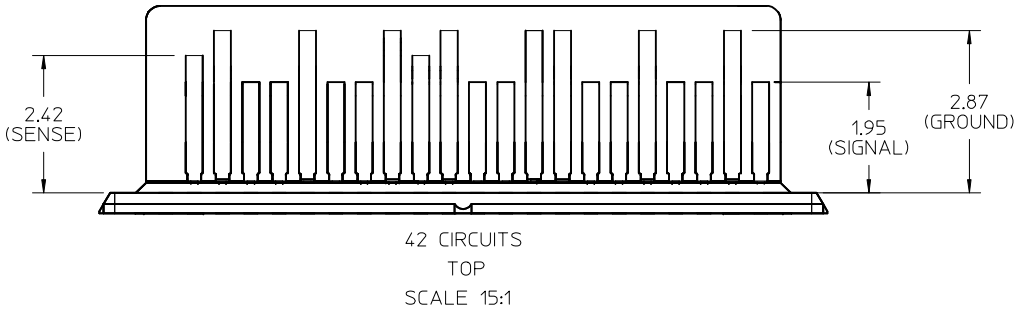
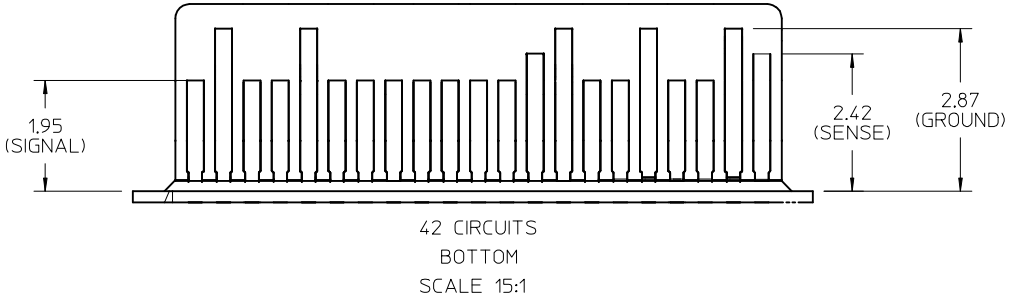


DETAIL 1
SCALE 50:1

- 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

SEE SHEET 1 EC NO: UCP2017-2519 DRAWN: VANG01 2017/05/19 CHKD: APPR: SMILLER 2017/06/01 REV: H	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 15:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY MJANTELEZIO	DATE 2015/10/22	TITLE NANO PITCH I/O VERTICAL PRE R1.0 - 16 GT/S				
			4 PLACES ± ---	± ---		CHECKED BY	DATE	molex				
			3 PLACES ± ---	± ---								
			2 PLACES ± 0.13	± ---								
			1 PLACE ± 0.25	± ---		APPROVED BY	DATE					
			0 PLACE ± ---	± ---		MBANAKIS	2015/11/09					
			ANGULAR ±1/2°				MATERIAL NO.			DOCUMENT NO.		SHEET NO.
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE SHEET 1			SD-171983-1000		7 OF 8
			SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

INTERFACE
PATTERN



SEE SHEET 1 EC NO: UCP2017-2519 DRWNSVANG01 2017/05/19 CHKD: APPR:SMILLER 2017/06/01	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
					MM ONLY		15:1	METRIC		
				mm	INCH	DRAWN BY DATE		TITLE		
			4 PLACES	± ---	± ---	MJANTELEZIO 2015/10/22				
			3 PLACES	± ---	± ---	CHECKED BY DATE				
			2 PLACES	± 0.13	± ---	APPROVED BY DATE				
			1 PLACE	± 0.25	± ---					
			0 PLACE	± ---	± ---					
			ANGULAR ±1/2°			MATERIAL NO.		DOCUMENT NO.		SHEET NO.
			DRAFT WHERE APPLICABLE			SEE SHEET 1		SD-171983-1000		8 OF 8
MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							