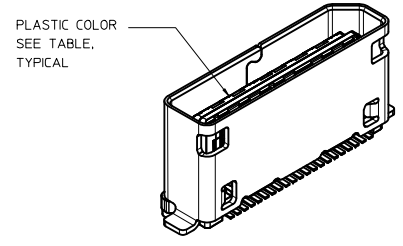
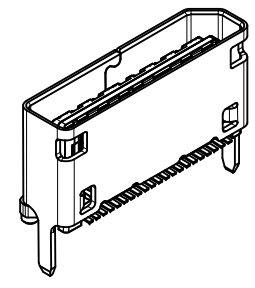


STATUS	MATERIAL NUMBER	PIN OUT OPTIONS	MATING LEVELS	CIRCUIT SIZE	SHELL ATTACH OPTION	DUST CAP COLOR	PLASTIC COLOR	DIM *T* OPTION 1
TOOLED	171983-0142	4X	3	42	SMT	BLACK	BLACK	-
NOT TOOLED	171983-0342	4X	3	42	SMT	BLACK	NATURAL	-
TOOLED	171983-2042	4X	3	42	TH	BLACK	BLACK	3.00
TOOLED	171983-2342	4X	3	42	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

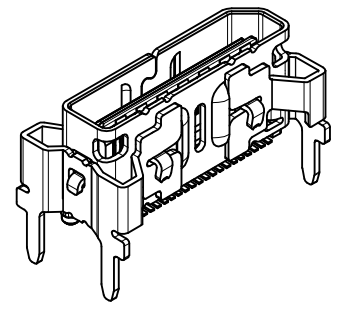
42 CIRCUIT SMT SHELL



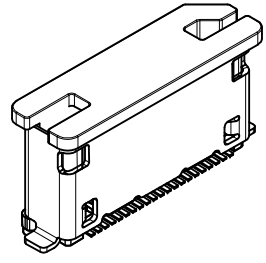
42 CIRCUIT THRU HOLE SHELL



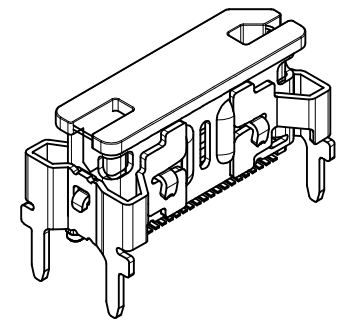
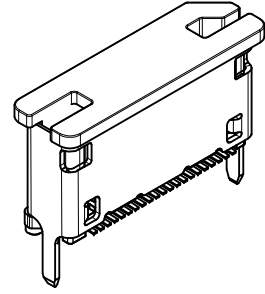
42 CIRCUIT XD SHELL



42 CIRCUIT SMT SHELL W/ CAP



42 CIRCUIT XD SHELL W/ CAP



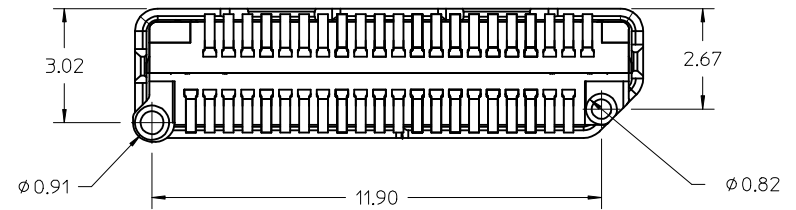
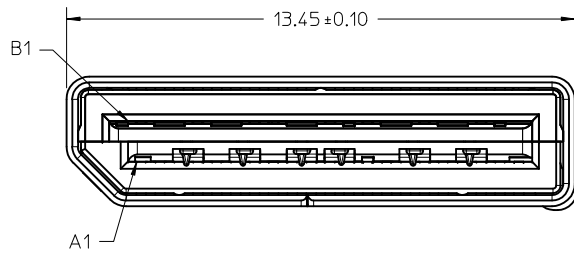
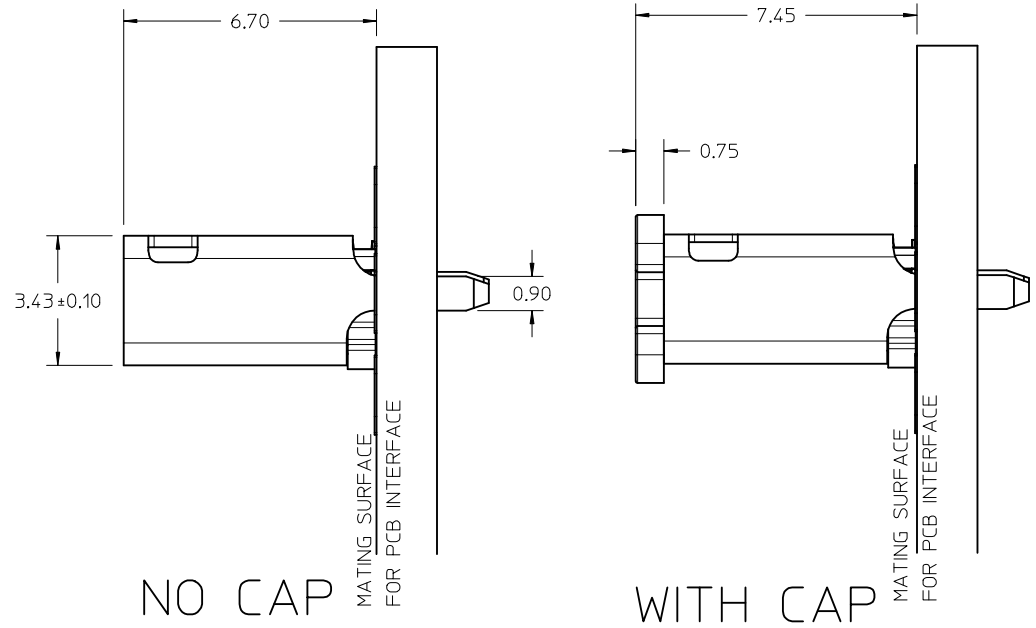
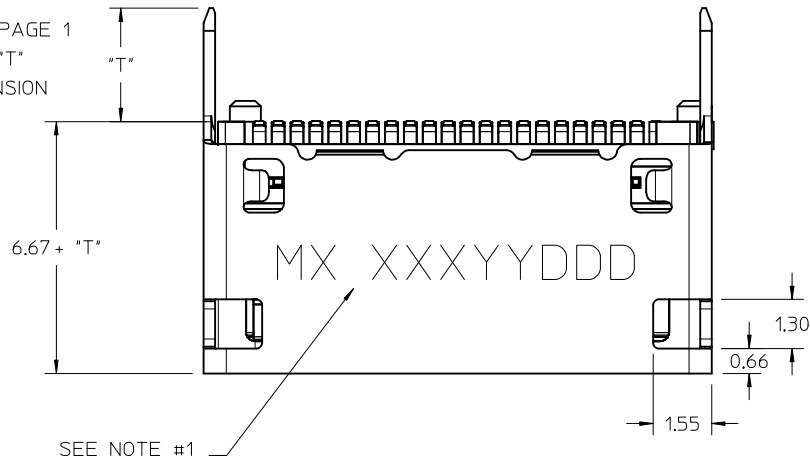
42 CIRCUIT THRU HOLE SHELL W/ CAP

- NOTES:
- MATERIALS:
HOUSING - GLASS FILLED THERMOPLASTIC, 94V-0
CONTACTS - HIGH PERFORMANCE COPPER ALLOY
SHIELD - STAINLESS STEEL
 - FINISH:
CONTACTS - 0.76µm MIN. GOLD MATING SIDE
2.54µm TIN ON SOLDER TAILS
2.0µm MIN. NICKEL UNDERPLATE OVERALL
SHIELD - MATTE TIN OVER 1.27µm 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)

UPDATE TABLE EC NO: UCP2017-1264 DRAWN BY: DRWNSVANG01 CHKD BY: MJANTELEZ10 APPR: MJANTELEZ10 DATE: 2016/12/06 DATE: 2016/12/06 DATE: 2017/04/24	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED):		DIMENSION STYLE MM ONLY		SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ±0.13 mm ±0.005 INCH	3 PLACES ±0.25 mm ±0.010 INCH	2 PLACES ±0.38 mm ±0.015 INCH	1 PLACE ±0.51 mm ±0.020 INCH	0 PLACE ±0.64 mm ±0.025 INCH	DRAWN BY: MJANTELEZ10 DATE: 2015/10/22	CHECKED BY: DATE	TITLE NANO PITCH I/O VERTICAL PRE R1.0 - 16 GT/S
		ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY: MBANAKIS DATE: 2015/11/09	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-171983-1000	SHEET NO. 1 OF 8
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

42 CIRCUIT TH ASSEMBLY

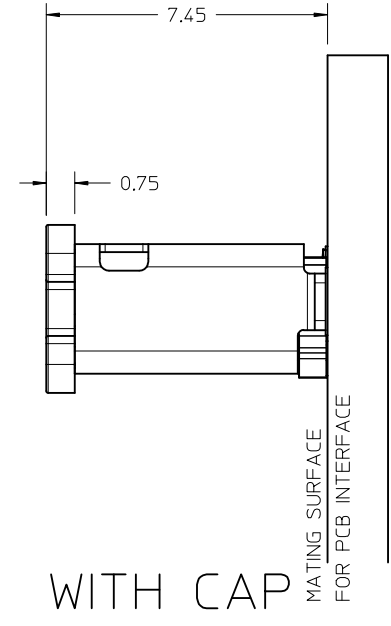
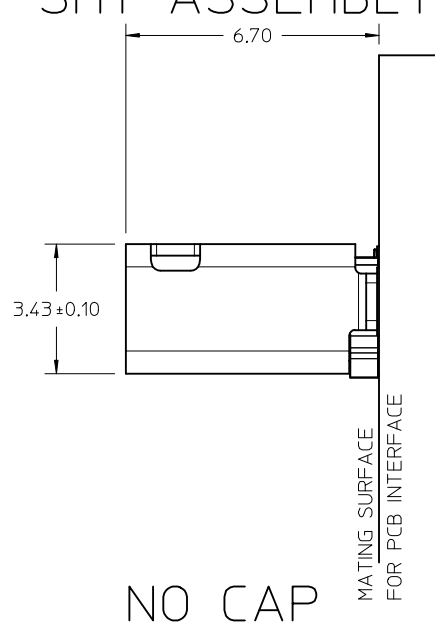
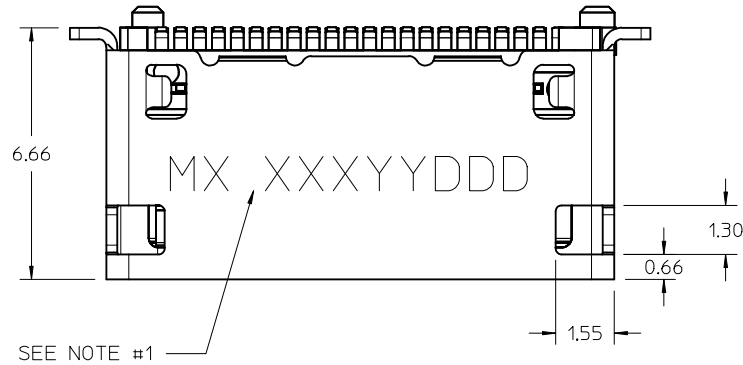
SEE PAGE 1
FOR "T"
DIMENSION



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

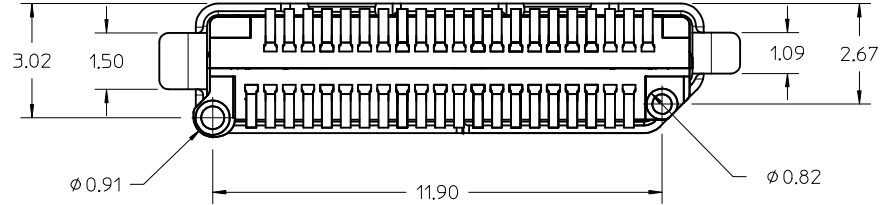
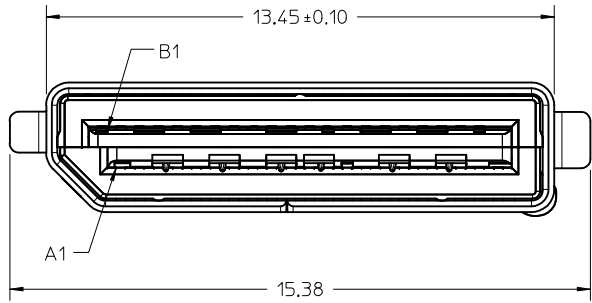
SEE SHEET 1 EC NO: UCP2017-1264 2016/12/06 DRWNSVANG01 CHKD: MJANTELEZIO 2016/12/06 APPR: TMCLELL 2017/04/24	QUALITY SYMBOLS $\nabla = 0$ $\nabla = 0$ $\nabla = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± 0.25</td> <td>± 0.010</td> </tr> <tr> <td>3 PLACES</td> <td>± 0.30</td> <td>± 0.012</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.40</td> <td>± 0.016</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.50</td> <td>± 0.020</td> </tr> <tr> <td>0 PLACE</td> <td>± 0.63</td> <td>± 0.025</td> </tr> </table>		mm	INCH	4 PLACES	± 0.25	± 0.010	3 PLACES	± 0.30	± 0.012	2 PLACES	± 0.40	± 0.016	1 PLACE	± 0.50	± 0.020	0 PLACE	± 0.63	± 0.025	DIMENSION STYLE MM ONLY	SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH																					
	4 PLACES	± 0.25	± 0.010																					
	3 PLACES	± 0.30	± 0.012																					
	2 PLACES	± 0.40	± 0.016																					
1 PLACE	± 0.50	± 0.020																						
0 PLACE	± 0.63	± 0.025																						
REV G	DESCRIPTION SEE SHEET 1	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY MJANTELEZIO	DATE 2015/10/22	TITLE NANO PITCH I/O VERTICAL PRE R1.0 - 16 GT/S																			
			CHECKED BY MBANAKIS	DATE 2015/11/09	DOCUMENT NO. SD-171983-1000																			
					SHEET NO. 2 OF 8																			
			MATERIAL NO. SEE SHEET 1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			

42 CIRCUIT SMT ASSEMBLY



NO CAP

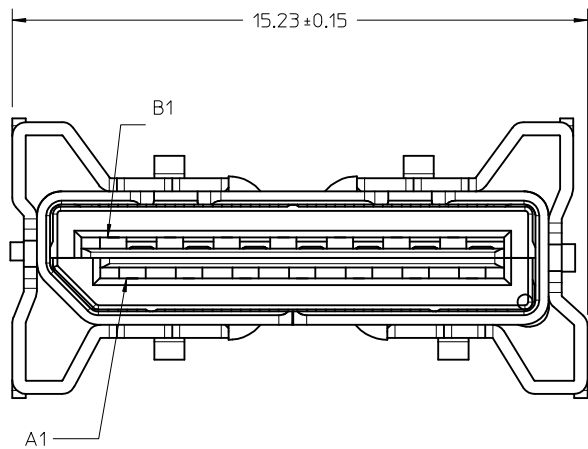
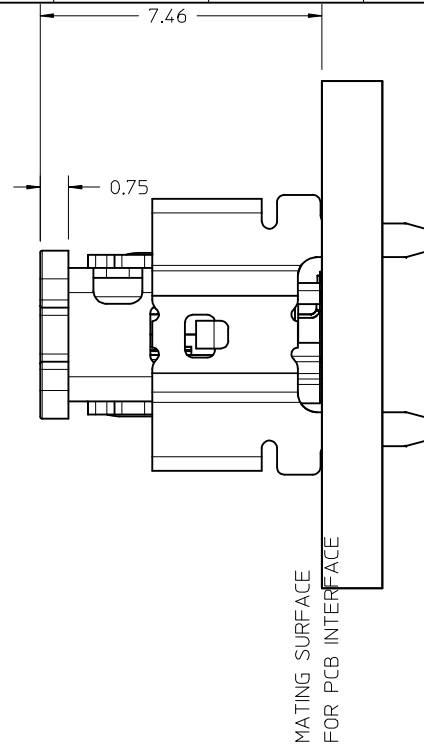
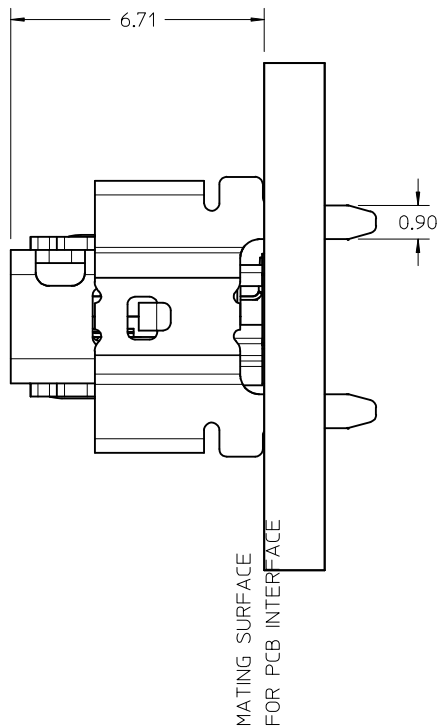
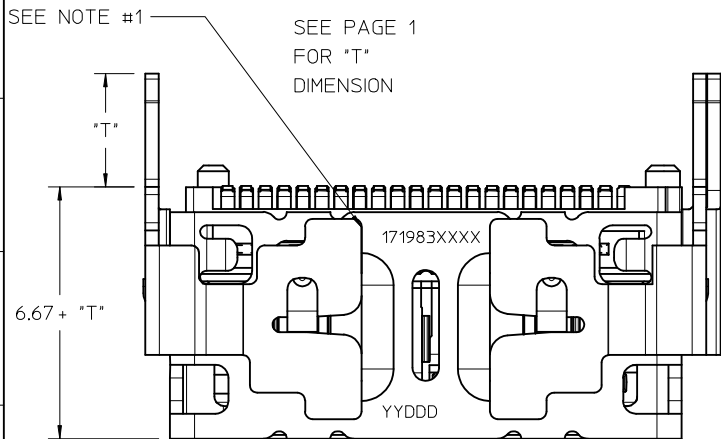
WITH CAP



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

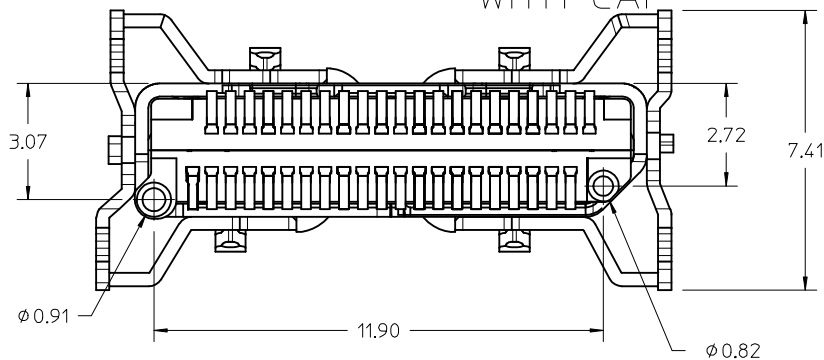
SEE SHEET 1 EC NO: UCP2017-1264 DRWNSVANG01 2016/12/06 CHKD:MJANTELEZIO 2016/12/06 APPR:TMCCLELL 2017/04/24	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				DRAWN BY MJANTELEZIO	DATE 2015/10/22	TITLE NANO PITCH I/O VERTICAL PRE R1.0 - 16 GT/S molex		
				CHECKED BY	DATE			
				ANGULAR ±1/2°		APPROVED BY MBANAKIS	DATE 2015/11/09	DOCUMENT NO. SD-171983-1000
REV	DESCRIPTION	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 HD ASSEMBLY



NO CAP

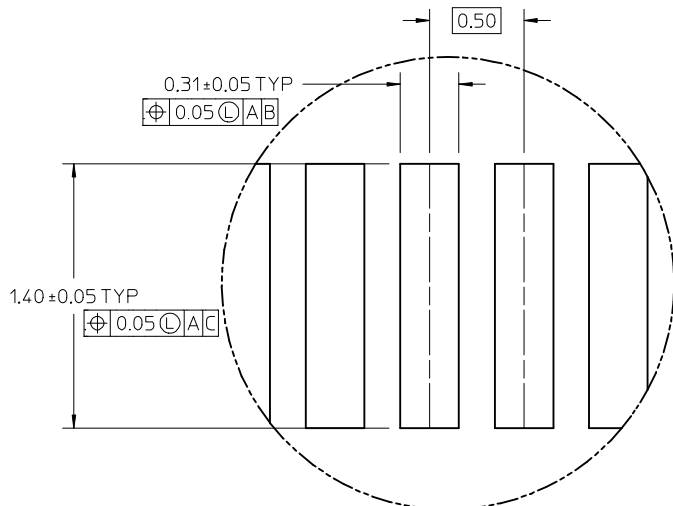
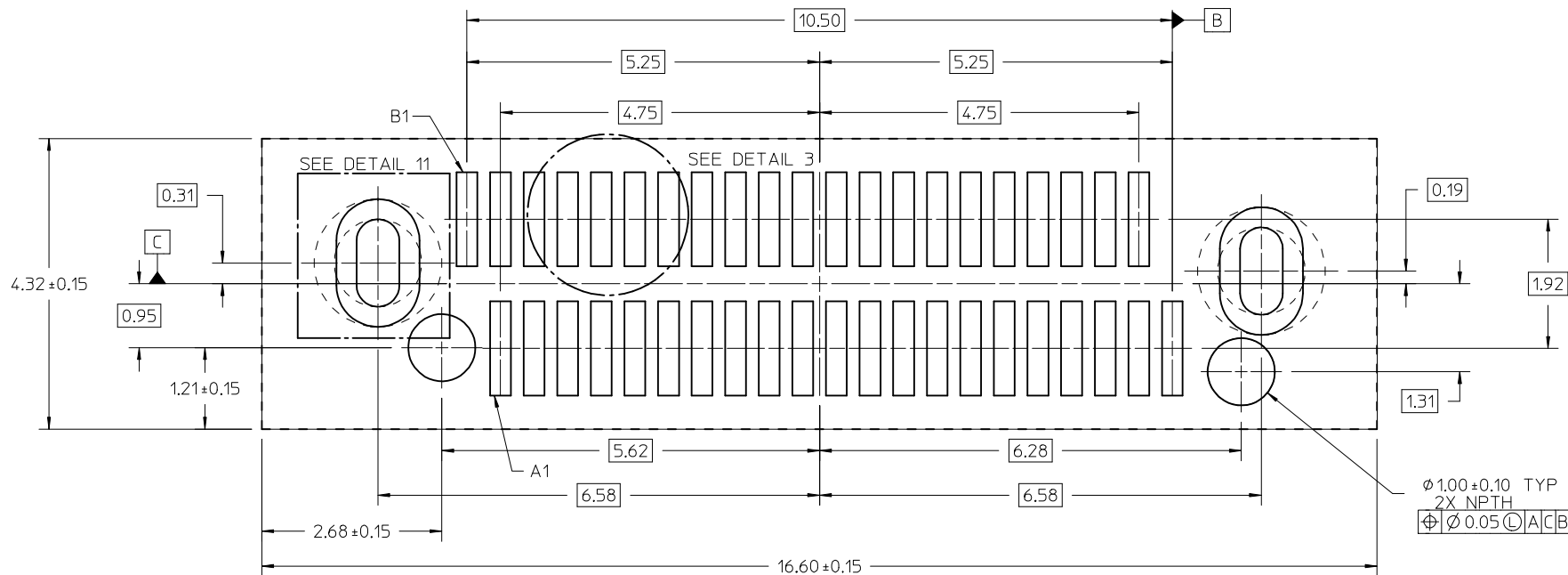
WITH CAP



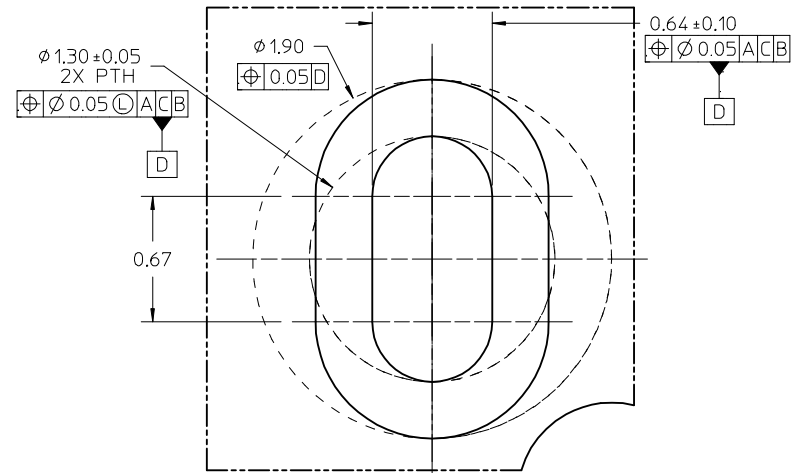
- NOTES:
1. MANUFACTURED DATE CODE (JULIAN CALENDAR) AND PART NUMBER
 2. SOLDER TAIL COPLANARITY 0.10 MAX

SEE SHEET 1 EC NO: UCP2017-1264 DRWNSVANG01 2016/12/06 CHKD:MJANTELEZIO 2016/12/06 APPR:TMCCLELL 2017/04/24	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	mm	INCH	DRAWN BY MJANTELEZIO	DATE 2015/10/22	TITLE NANO PITCH I/O VERTICAL PRE R1.0 - 16 GT/S		
	▽=0	4 PLACES ± ---	± ---	CHECKED BY	DATE	molex		
	▽=0	3 PLACES ± ---	± ---	APPROVED BY MBANAKIS	DATE 2015/11/09			
▽=0	ANGULAR ±1/2°		MATERIAL NO.		SEE SHEET 1			
REV	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 TAIL RECOMMENDED FOOTPRINT



DETAIL 3
SCALE 50:1

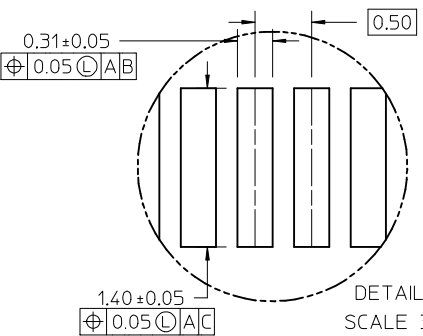
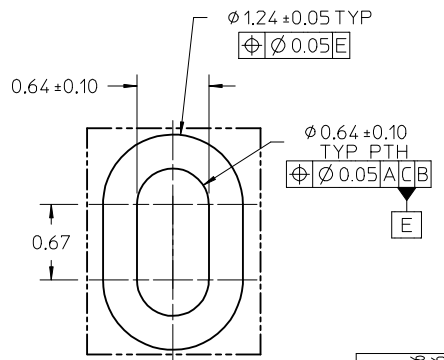
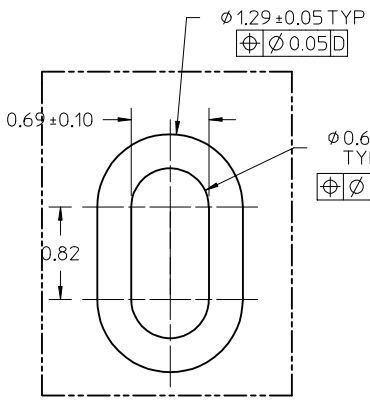
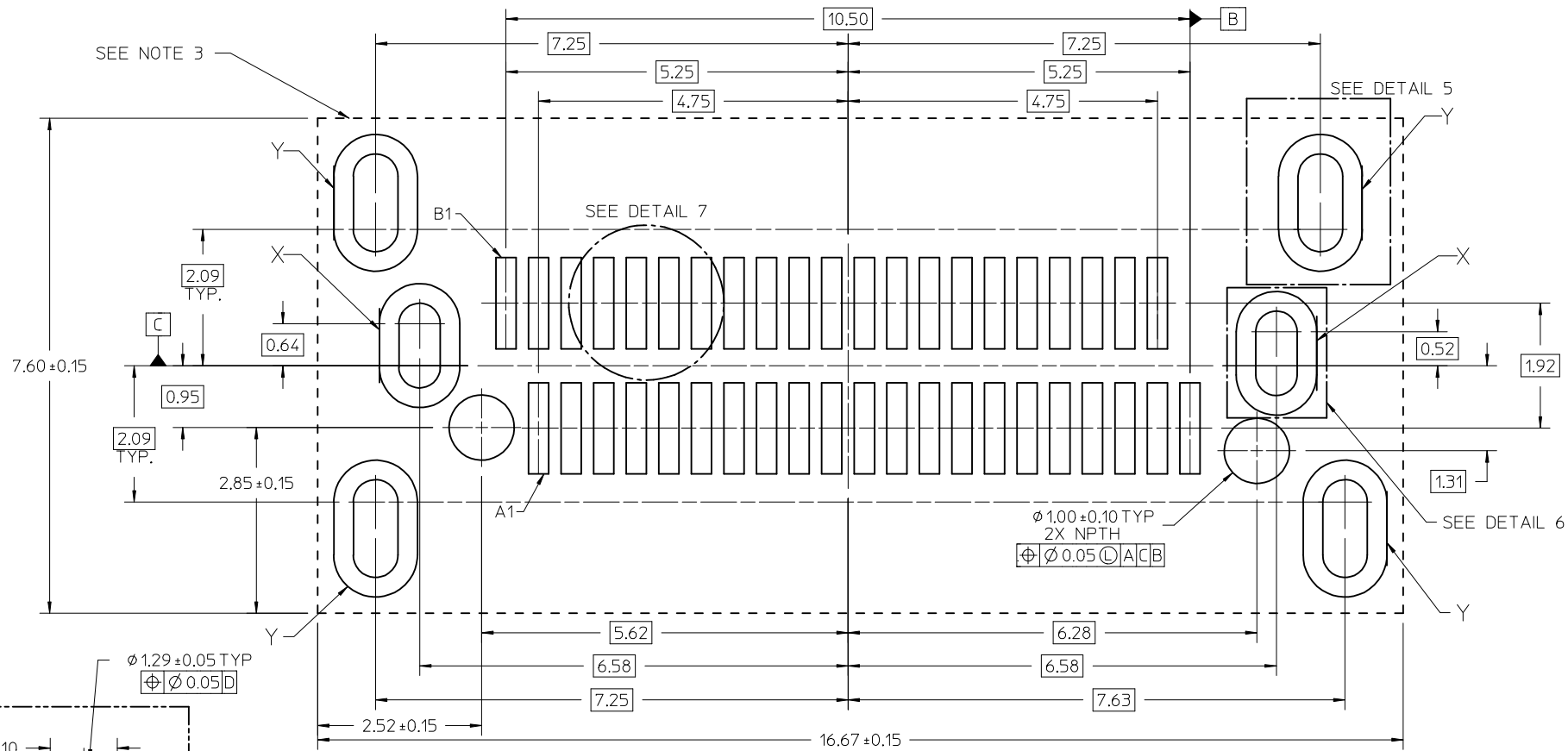


DETAIL 11
SCALE 50:1

- 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: UCP2017-1264 DRWNSVANG01 2016/12/06 CHKD:MJANTELEZIO 2016/12/06 APPR:TMCCLELL 2017/04/24	REV 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	NANO PITCH I/O VERTICAL PRE R1.0 - 16 GT/S molex			
							CHECKED BY	DATE				
									APPROVED BY MBANAKIS	DATE 2015/11/09	DOCUMENT NO. SD-171983-1000	
				ANGULAR ±1/2°		SEE SHEET 1		SHEET NO. 5 OF 8				
		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 COMMON TAIL/XD RECOMMENDED FOOTPRINT



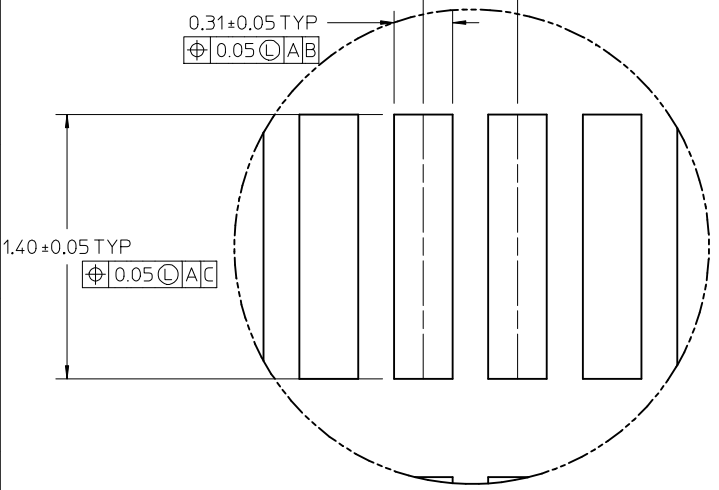
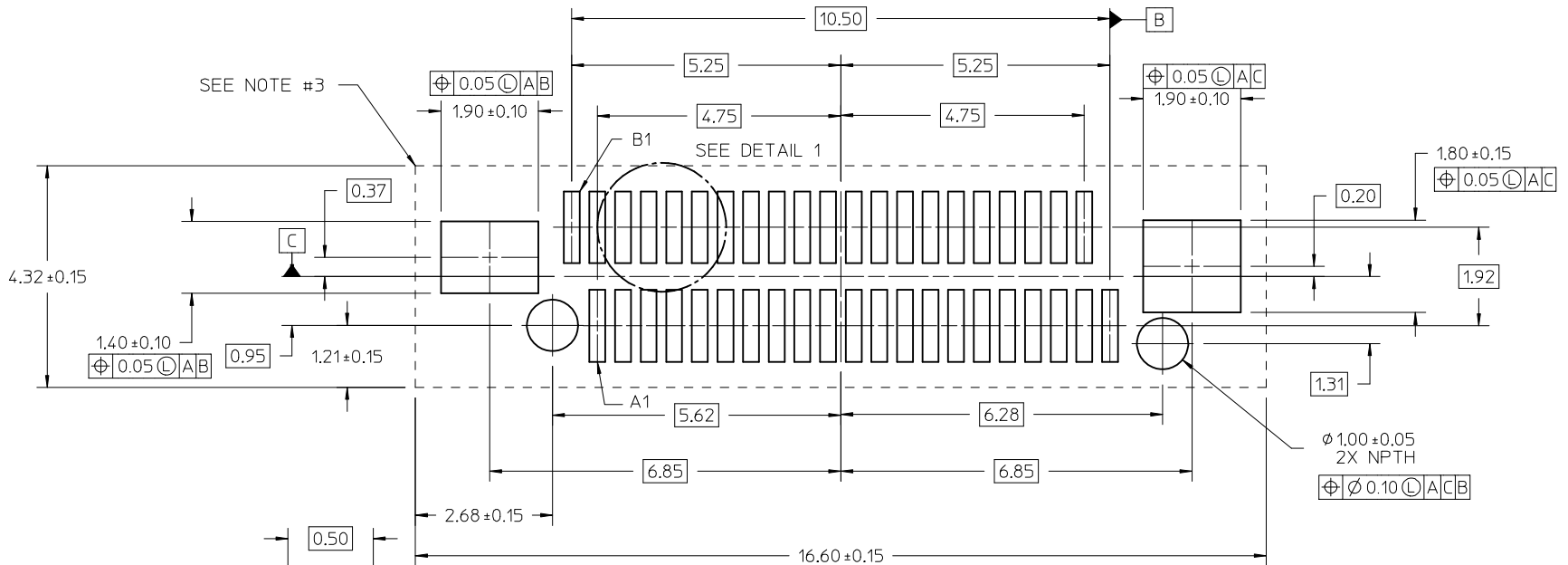
- NOTES:
1. MINIMUM RECOMMENDED SPACING BETWEEN ADJACENT CONNECTOR IS 19.05mm
 2. MINIMUM RECOMMENDED PCB THICKNESS: 1.57mm
 3. CONNECTOR KEEP OUT AREA
 4. DATUM -A- ESTABLISHED FROM TOP SURFACE OF PCB
 5. COMMON FOOTPRINT SHOWN
FOR XD ONLY PATTERN USE ONLY PTH DENOTED "Y"
FOR TH ONLY PATTERN USE ONLY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

DETAIL 6
SCALE 30:1

DETAIL 7
SCALE 30:1

SEE SHEET 1 EC NO: UCP2017-1264 DRWNSVANG01 CHKD:MJANTELEZIO APPR:TMCCLELL 2016/12/06 2016/12/06 2017/04/24	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 15:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± --- ± ---		DRAWN BY DATE MJANTELEZIO 2015/10/22 CHECKED BY DATE		TITLE NANO PITCH I/O VERTICAL PRE R1.0 - 16 GT/S			
		ANGULAR ±1/2°		APPROVED BY DATE MBANAKIS 2015/11/09		DOCUMENT NO. SD-171983-1000			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE SHEET 1		SHEET NO. 6 OF 8		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

42 CIRCUIT SMT RECOMMENDED FOOTPRINT

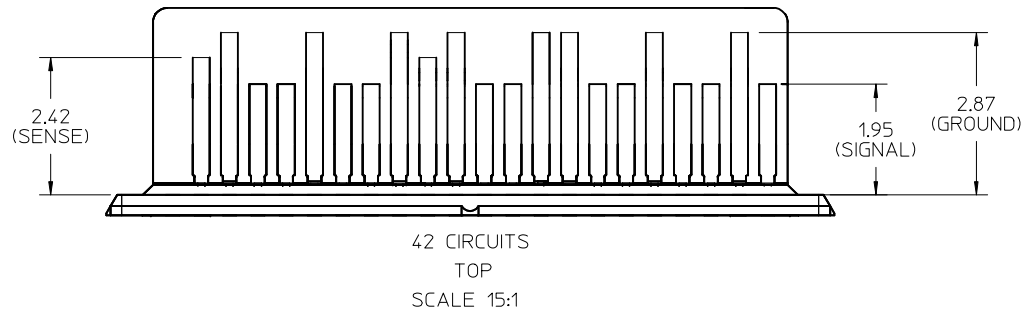
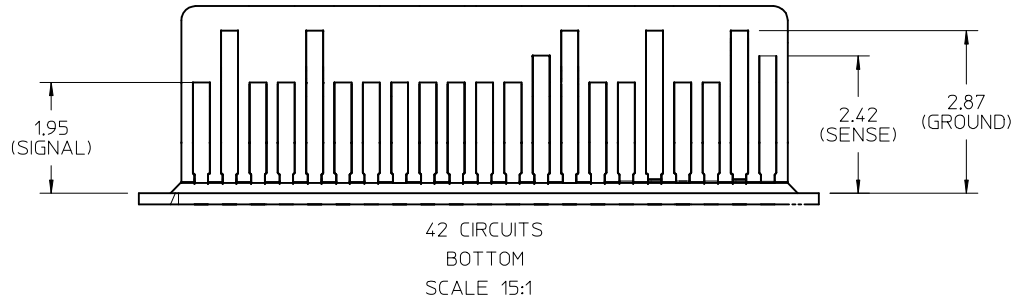


DETAIL 1
SCALE 50:1

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

SEE SHEET 1 EC NO: UCP2017-1264 2016/12/06 DRWNSVANG01 CHKD:MJANTELEZIO 2016/12/06 APPR:TMCCLELL 2017/04/24	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 15:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.13 ± ---	1 PLACE ± 0.25 ± ---	0 PLACE ± --- ± ---	ANGULAR ±1/2°	DRAWN BY DATE MJANTELEZIO 2015/10/22	
G SEE SHEET 1 SIZE C	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY DATE MBANAKIS 2015/11/09			TITLE NANO PITCH I/O VERTICAL PRE R1.0 - 16 GT/S			
	MATERIAL NO.			DOCUMENT NO. SD-171983-1000			SHEET NO. 7 OF 8		
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: UCP2017-1264 DRWNSVANG01 2016/12/06 CHKD:MJANTELEZIO 2016/12/06 APPR:TMCCLELL 2017/04/24	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	▽=0	mm	INCH	MM ONLY	15:1	METRIC	NANO PITCH I/O VERTICAL PRE R1.0 - 16 GT/S	
	▽=0	4 PLACES ± ---	± ---	DRAWN BY DATE	TITLE molex DOCUMENT NO. SD-171983-1000 SHEET NO. 8 OF 8			
	▽=0	3 PLACES ± ---	± ---	MJANTELEZIO 2015/10/22				
	2 PLACES ± 0.13	± ---	CHECKED BY DATE	APPROVED BY DATE				
	1 PLACE ± 0.25	± ---		MBANAKIS 2015/11/09	MATERIAL NO.			
	0 PLACE ± ---	± ---			ANGULAR ±1/2°			
					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			