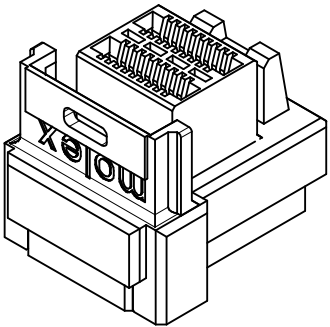
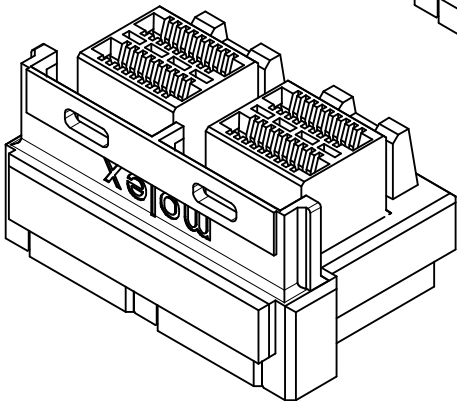
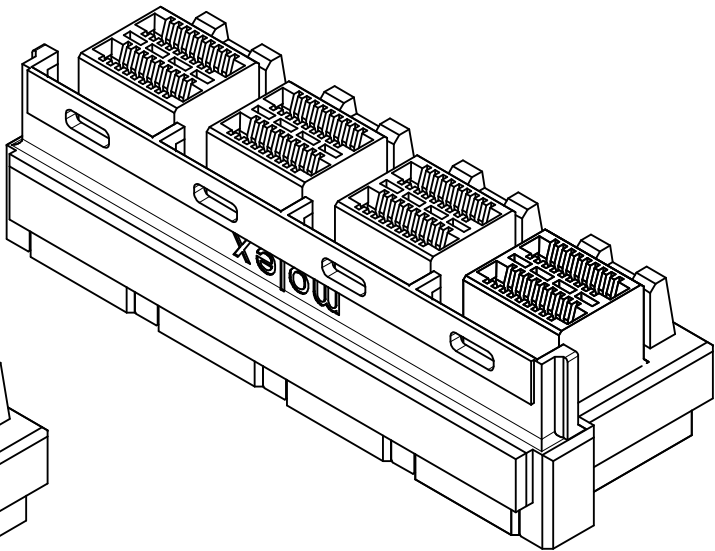




1 X 1



1 X 2



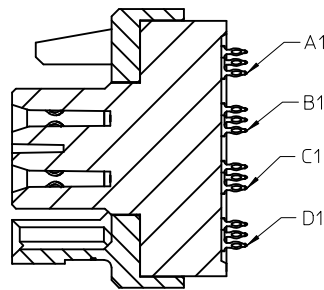
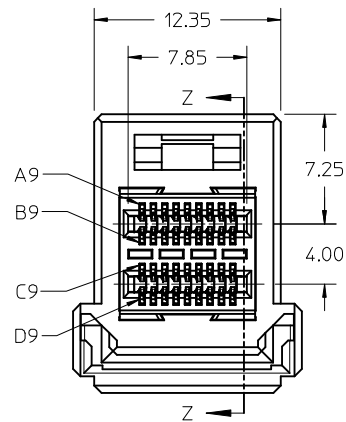
1 X 4

- NOTES:
- 1. MATERIALS:
 - CONNECTOR HOUSING: HIGH TEMPERATURE THERMOPLASTIC
 - GLASS FILLED, UL 94V-0
 - TERMINALS: COPPER ALLOY
 - 2. FINISHES:
 - CONTACT AREA: 0.76 μ M MIN GOLD OVER 3.81 μ M MIN NICKEL
 - COMPLIANT AREA: 0.76 μ M MIN TIN (LEAD FREE)
 - OVER 1.27 μ M MIN NICKEL
 - 3. PRODUCT SPECIFICATION: PS-170729-001
 - 4. PACKAGING SPECIFICATION: PK-76867-002
 - 5. MATES WITH: MOLEX CABLE SERIES 111074 & 111076
 - 6. MOUNTING HARDWARE NOT SUPPLIED.
REFER TO APPLICATION SPECIFICATION AS-170729-0001.
 - 7. PLUG MODULE PCB LAYOUT REFER TO SD-76866-9900

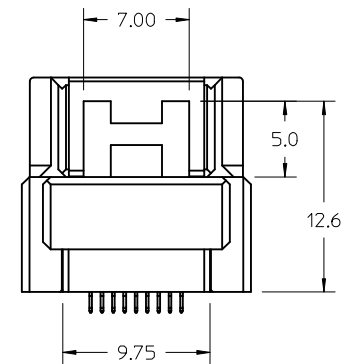
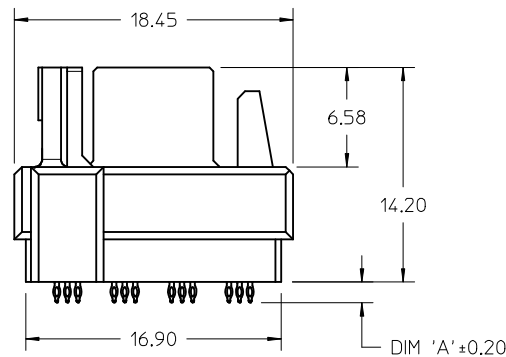
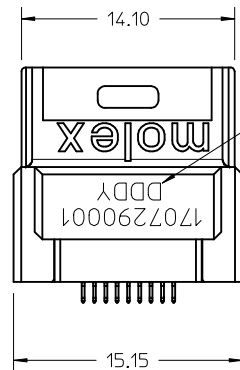
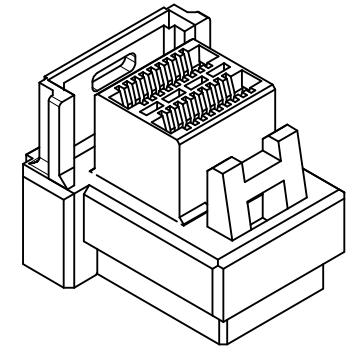
CONFIGURATION	MATERIAL NUMBER	TERMINAL OPTION	DIM 'A'
1 X 1	170729-0001	SHORT PIN	1.37
1 X 2	170729-0002		
1 X 4	170729-0004		
1 X 1	170729-1001	LONG PIN	1.62
1 X 2	170729-1002		
1 X 4	170729-1004		

ADD KEEP OUT AREA EC NO: UCP2015-2559 DRAWN: MESERWACKI 2015/01/05 CHKD: TMCLELLAND 2015/01/07 APPR: MBANAKIS 2015/01/09 14	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			= 0 = 0 = 0		mm	INCH	DRAWN BY KLANG	DATE 2011/11/01	TITLE IPASS VERTICAL ZHD INTERNAL ASSEMBLY 1X1, 1X2, 1X4 molex	DOCUMENT NO. SD-170729-0001	SHEET NO. 1 OF 8	
				4 PLACES	± ---	± ---	CHECKED BY TMCLELLAND	DATE 2012/07/24				
				3 PLACES	± ---	± ---	APPROVED BY MBANAKIS	DATE 2012/07/25				
				2 PLACES	± 0.13	± ---	MATERIAL NO.					
				1 PLACE	± 0.25	± ---	SEE CHART					
			0 PLACE	±		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		
			ANGULAR ± 2 °									

1X1 ASSEMBLY



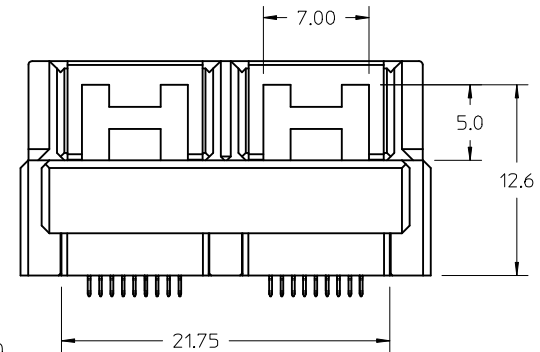
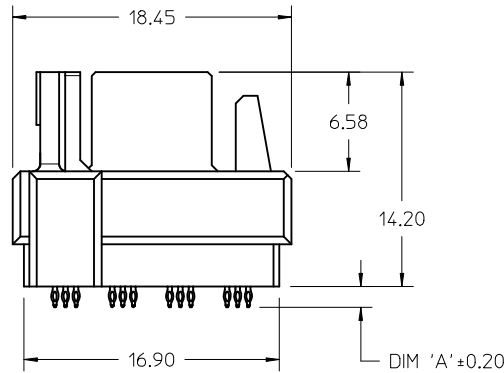
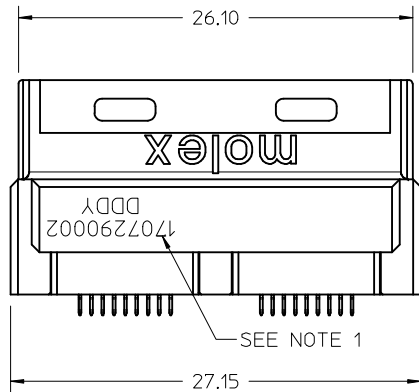
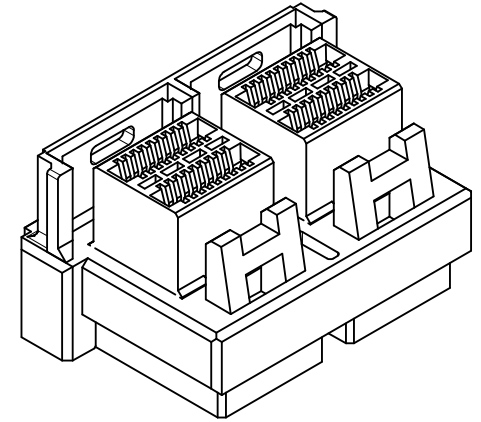
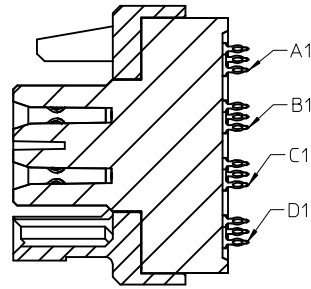
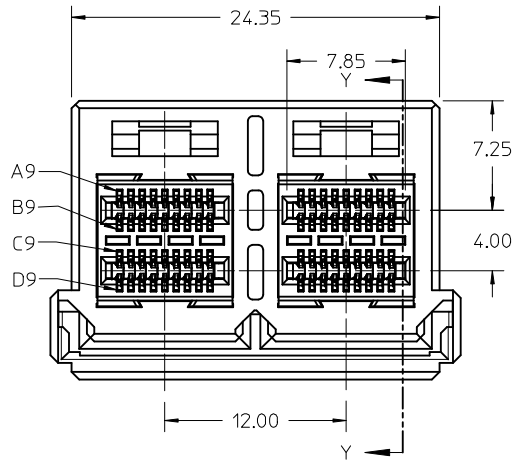
SECTION Z-Z



- NOTES:
1. MANUFACTURED DATE CODE (JULIAN CALENDAR) & PART NUMBER.

SEE SHEET 1 EC NO: UCP2015-2559 DRAWN BY: DRW/MESERWACKI 2015/01/05 CHKD: TMCCLELLAND 2015/01/07 APPR: MBANAKIS 2015/01/09 14	REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE IPASS VERTICAL ZHD INTERNAL ASSEMBLY 1X1, 1X2, 1X4 molex	DOCUMENT NO. SD-170729-0001	SHEET NO. 2 OF 8	
					mm	INCH	DRAWN BY KLANG		DATE 2011/11/01					
				4 PLACES	± ---	± ---	CHECKED BY TMCCLELLAND		DATE 2012/07/24					
				3 PLACES	± ---	± ---	APPROVED BY MBANAKIS		DATE 2012/07/25					
				2 PLACES	± 0.13	± ---	MATERIAL NO.							
				1 PLACE	± 0.25	± ---	SEE CHART							
				0 PLACE	±		C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
				ANGULAR ± 2 °										
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										

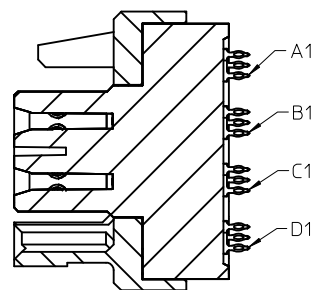
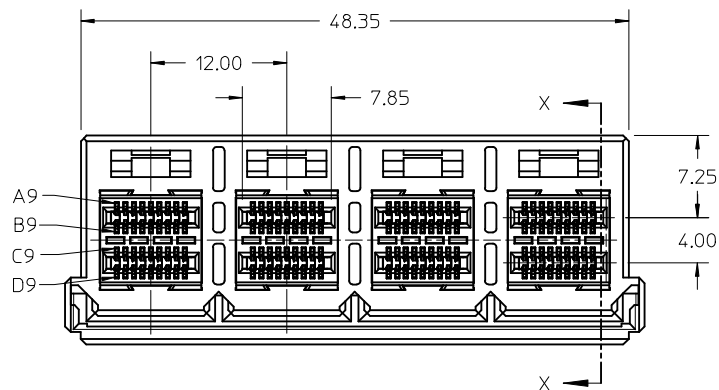
1X2 ASSEMBLY



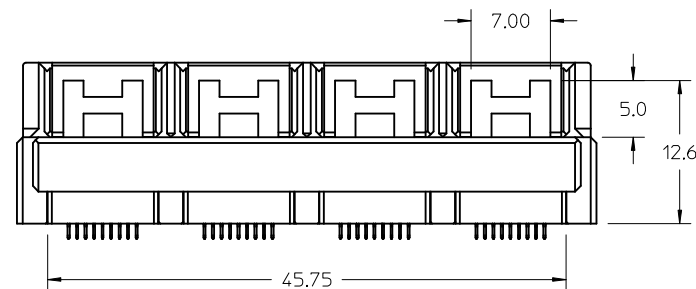
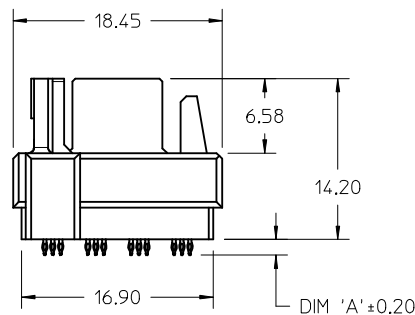
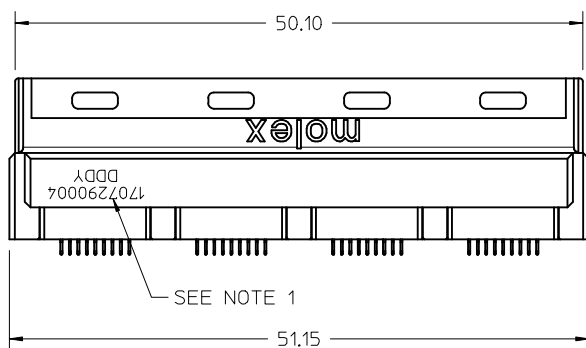
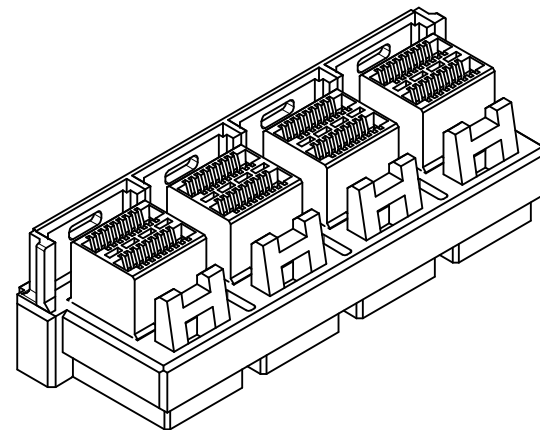
NOTES:
1. MANUFACTURED DATE CODE (JULIAN CALENDAR) & PART NUMBER.

SEE SHEET 1 EC NO: UCP2015-2559 DRAWN BY: DRW/MESERWACKI 2015/01/05 CHKD BY: TMC/CLELLAND 2015/01/07 APPR BY: MBANAKIS 2015/01/09	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE IPASS VERTICAL ZHD INTERNAL ASSEMBLY 1X1, 1X2, 1X4 molex	DOCUMENT NO. SD-170729-0001	SHEET NO. 3 OF 8	
					mm	INCH	DRAWN BY	DATE						
				▽=0	4 PLACES	± ---	± ---	KLANG	2011/11/01					
				▽=0	3 PLACES	± ---	± ---	CHECKED BY	DATE					
				▽=0	2 PLACES	± 0.13	± ---	TMC/CLELLAND	2012/07/24					
					1 PLACE	± 0.25	± ---	APPROVED BY	DATE					
					0 PLACE	±		MBANAKIS	2012/07/25					
				ANGULAR ± 2 °		MATERIAL NO.								
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART								
						SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

1X4 ASSEMBLY

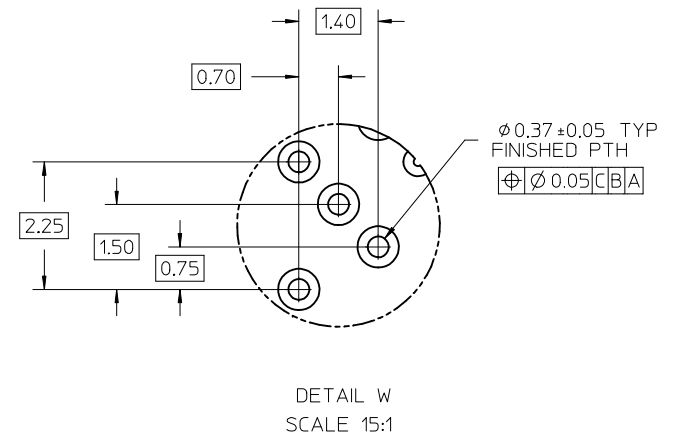
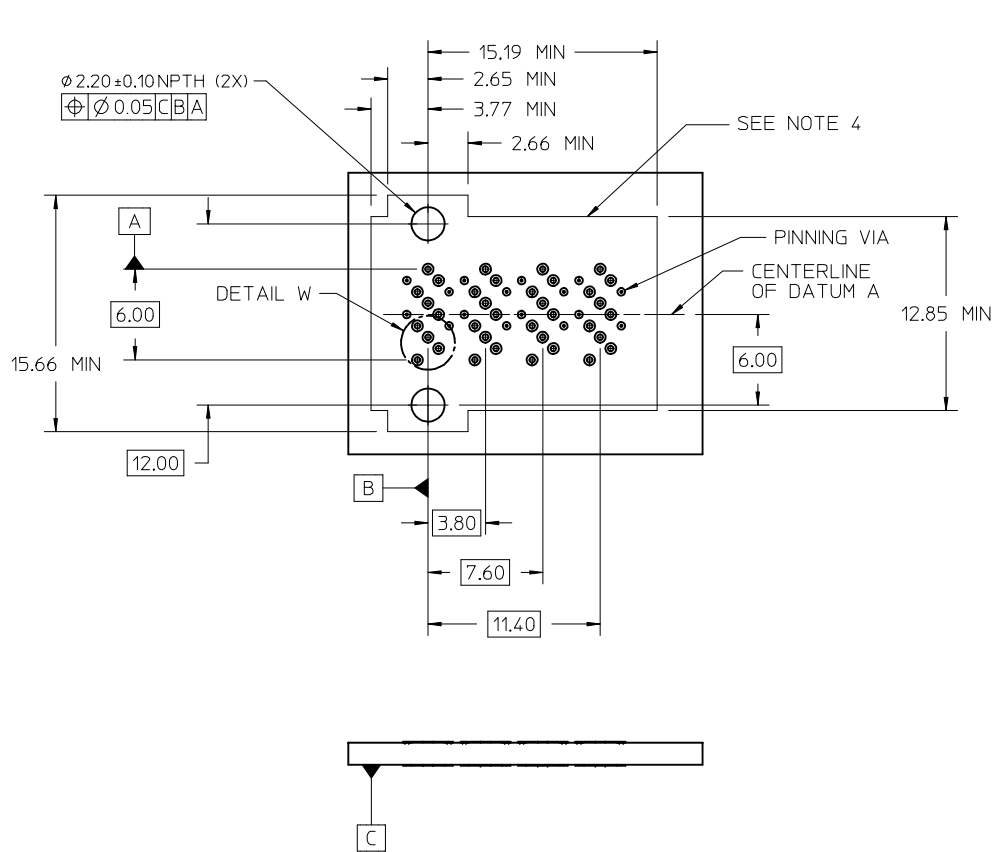


SECTION X-X
SCALE 4:1



NOTES:
1. MANUFACTURED DATE CODE (JULIAN CALENDAR) & PART NUMBER.

SEE SHEET 1 EC NO: UCP2015-2559 DRAWN BY: DRWMSERWACKI 2015/01/05 CHKD: TMCLELLAND 2015/01/07 APPR: MBANAKIS 2015/01/09 14	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE IPASS VERTICAL ZHD INTERNAL ASSEMBLY 1X1, 1X2, 1X4 molex	DOCUMENT NO. SD-170729-0001	SHEET NO. 4 OF 8				
				mm		INCH		DRAWN BY KLANG		DATE 2011/11/01								
				4 PLACES ± ---		± ---		CHECKED BY TMCLELLAND		DATE 2012/07/24								
				3 PLACES ± ---		± ---		APPROVED BY MBANAKIS		DATE 2012/07/25								
				2 PLACES ± 0.13		± ---		MATERIAL NO.		SEE CHART								
				1 PLACE ± 0.25		± ---												
				0 PLACE ±		±												
				ANGULAR ± 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			



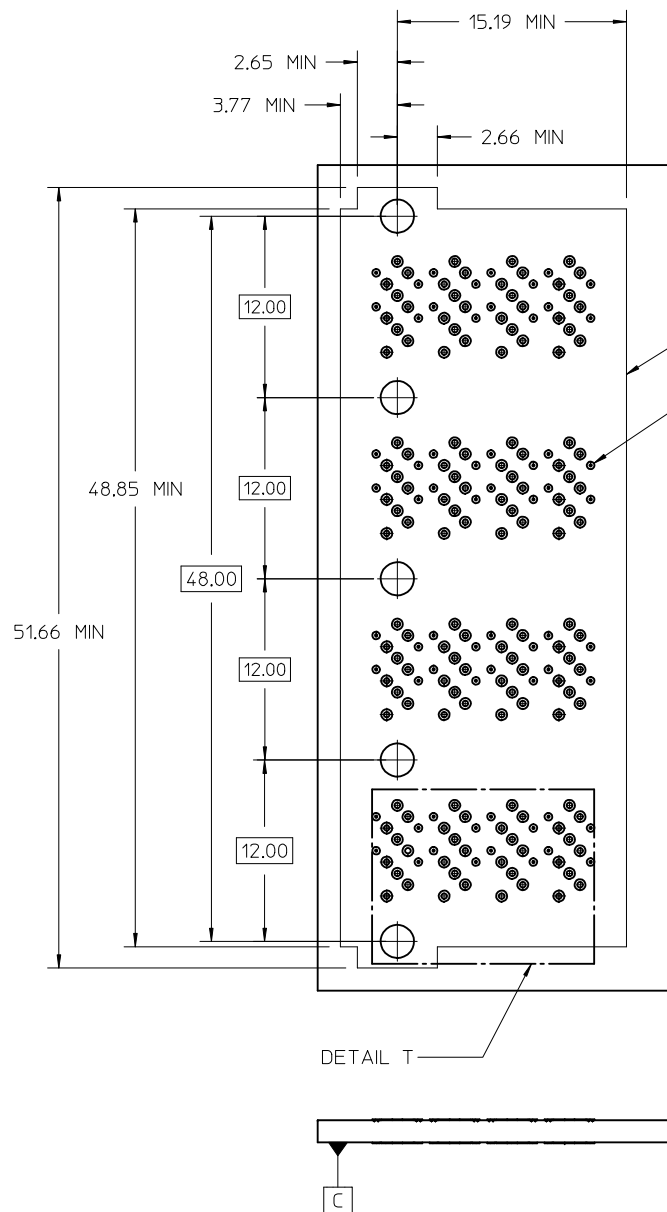
1X1 RECOMMENDED FOOTPRINT

NOTES:

1. RECOMMENDED DRILL SIZE FOR A 0.37ϕ FINISHED PTH REFER TO APPLICATION SPECIFICATION AS-170729-0001
2. MINIMUM RECOMMENDED SPACING IS 16.00MM
3. MINIMUM RECOMMENDED PCB THICKNESS: 1.57MM
4. CONNECTOR KEEP OUT AREA

SEE SHEET 1 EC NO: UCP2015-2559 DRAWN BY: DRW/MESERWACKI 2015/01/05 CHKD: TMC/LELLAND 2015/01/07 APPR: MBANAKIS 2015/01/09 14	REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY KLANG	DATE 2011/11/01	TITLE IPASS VERTICAL ZHD INTERNAL ASSEMBLY 1X1, 1X2, 1X4 molex		
				4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	CHECKED BY TMC/LELLAND	DATE 2012/07/24				
				2 PLACES ± 0.13 ± ---	1 PLACE ± 0.25 ± ---	APPROVED BY MBANAKIS	DATE 2012/07/25				
				0 PLACE ± ±	MATERIAL NO.		DOCUMENT NO.	SHEET NO. 5 OF 8			
				ANGULAR ± 2 °		SEE CHART		SD-170729-0001			
				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			

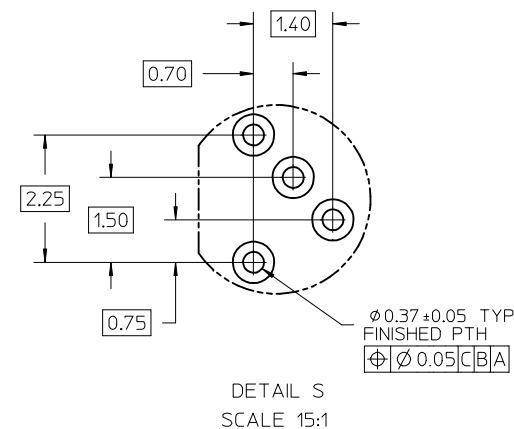
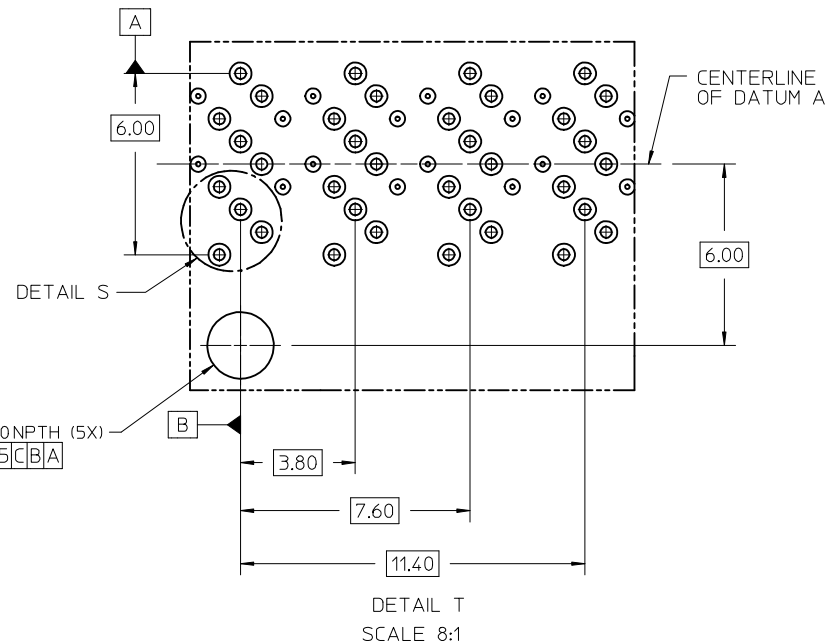
13 12 11 10 9 8 7 6 5 4 3 2 1



SEE NOTE 4

PINNING VIA

$\phi 2.20 \pm 0.10$ NPTH (5X)
 $\phi \phi 0.05$ CBA

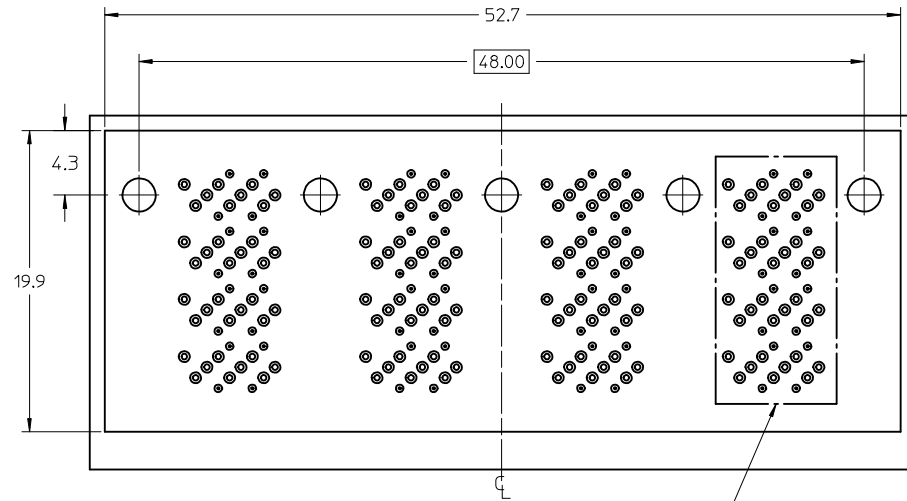
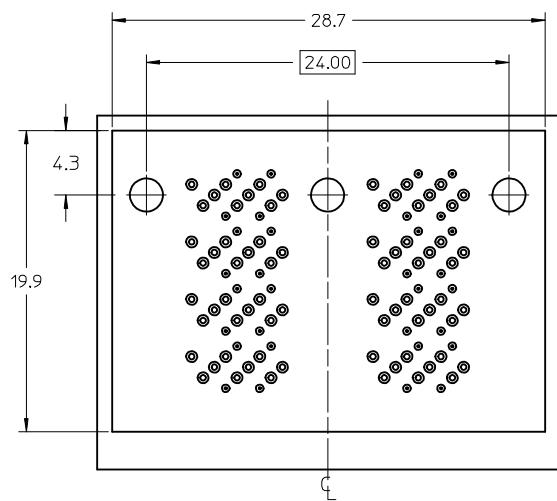
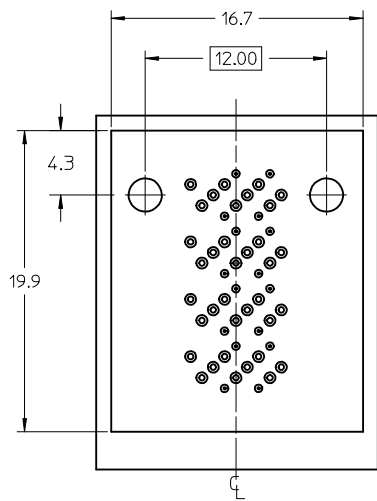


1X4 RECOMMENDED FOOTPRINT

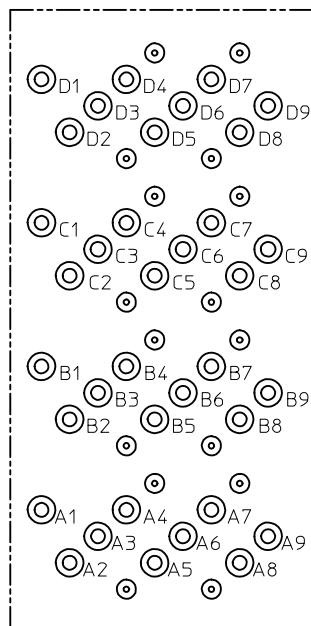
NOTES:

1. RECOMMENDED DRILL SIZE FOR A 0.37ϕ FINISHED PTH REFER TO APPLICATION SPECIFICATION AS-170729-0001
2. MINIMUM RECOMMENDED SPACING IS 52.00MM
3. MINIMUM RECOMMENDED PCB THICKNESS: 1.57MM
4. CONNECTOR KEEP OUT AREA

SEE SHEET 1 EC NO: UCP2015-2559 DRAWN BY: DRWIMESERWACKI 2015/01/05 CHKD BY: TMCCLELLAND 2015/01/07 APPR: MBANAKIS 2015/01/09 14	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				 = 0  = 0  = 0			DRAWN BY KLANG	DATE 2011/11/01	TITLE IPASS VERTICAL ZHD INTERNAL ASSEMBLY 1X1, 1X2, 1X4 molex DOCUMENT NO. SD-170729-0001		
							CHECKED BY TMCCLELLAND	DATE 2012/07/24			
							APPROVED BY MBANAKIS	DATE 2012/07/25			
							MATERIAL NO.				
							SEE CHART				
						ANGULAR ± 2 °		SHEET NO. 7 OF 8			
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					



RECOMMENDED KEEP OUT AREA FOR WAFER TERMINAL
EXTRACTION TOOLING (REFER TO AS-170729-0001)



DETAIL 1
CIRCUIT IDENTIFICATION
(TYP EACH PORT)

SEE SHEET 1 EC NO: UCP2015-2559 DRAWN BY: DRWINESERWACKI 2015/01/05 CHKD: TMCLELLAND 2015/01/07 APPR: MBANAKIS 2015/01/09	REV 14	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
				 =0  =0  =0			DRAWN BY DATE KLANG 2011/11/01		TITLE IPASS VERTICAL ZHD INTERNAL ASSEMBLY 1X1, 1X2, 1X4 molex			
							CHECKED BY DATE TMCLELLAND 2012/07/24					
							APPROVED BY DATE MBANAKIS 2012/07/25					
							MATERIAL NO.					
							DOCUMENT NO.					
				ANGULAR $\pm 2^{\circ}$		SEE CHART		SD-170729-0001			SHEET NO. 8 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				