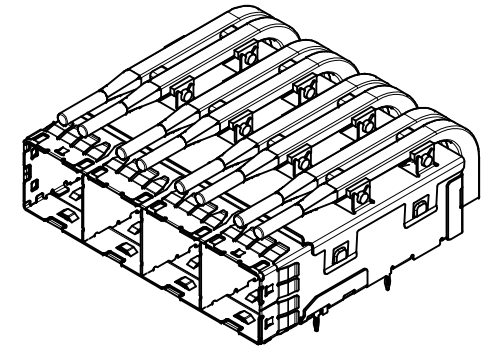
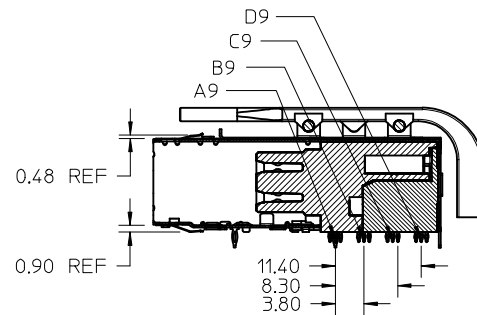
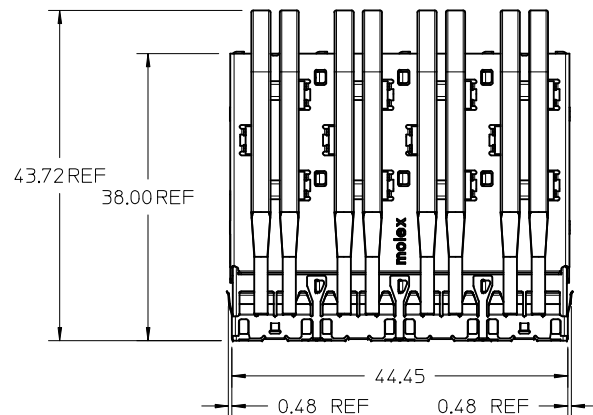


NOTES:

1. MATERIALS:

CONNECTOR HOUSING: HIGH TEMPERATURE THERMOPLASTIC
GLASS FILLED, UL 94V-0
EMI CAGE: NICKEL SILVER ALLOY
EMI FINGERS: COPPER ALLOY
TERMINALS: COPPER ALLOY
LIGHT PIPES: HALOGEN FREE, CLEAR POLYCARBONATE

2. FINISHES:

EMI FINGERS: 0.50µM MIN NICKEL
CONTACT AREA: 0.76µM MIN GOLD OVER 2.54µM MIN NICKEL
TAIL AREA:

OPTION 1: 0.76µM-1.52µM TIN/LEAD (90/10) OVER 2.54µM MIN NICKEL
OPTION 2: 0.76µM-1.52µM TIN (LEAD FREE) OVER 2.54µM MIN NICKEL

3. PRODUCT SPECIFICATION: PS-76866-001

4. PACKAGING SPECIFICATION: PK-76866-002

CONNECTORS WILL BE IN ONE BOX
LIGHT PIPE ASSEMBLIES WILL BE IN ONE BOX
BOTH BOXES WILL BE IN A MASTER CARTON

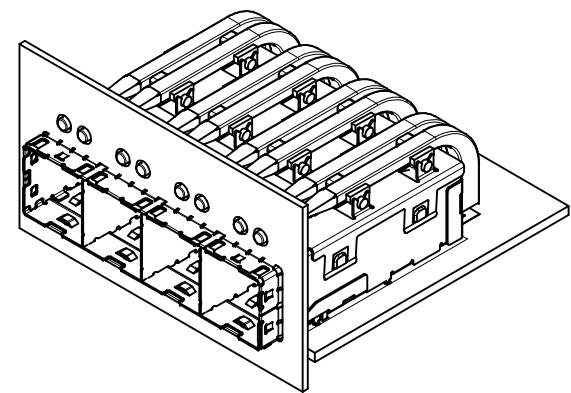
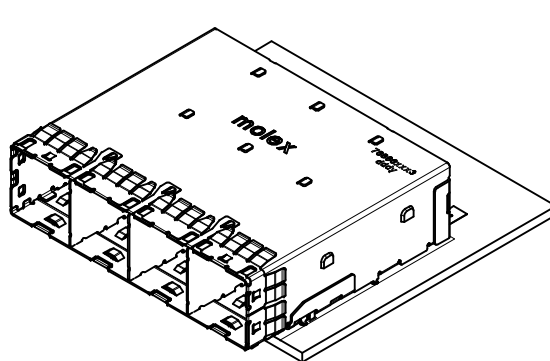
5. MATES WITH: MOLEX CABLE SERIES 111068 & 111073

6. RECOMMENDED MOUNTING HARDWARE: M2X0.4 BUTTON HEAD SCREW MOUNTING SCREW LENGTH: PCB THICKNESS + 1.4MM MAX (0.9MM MIN) MOUNTING HARDWARE NOT SUPPLIED

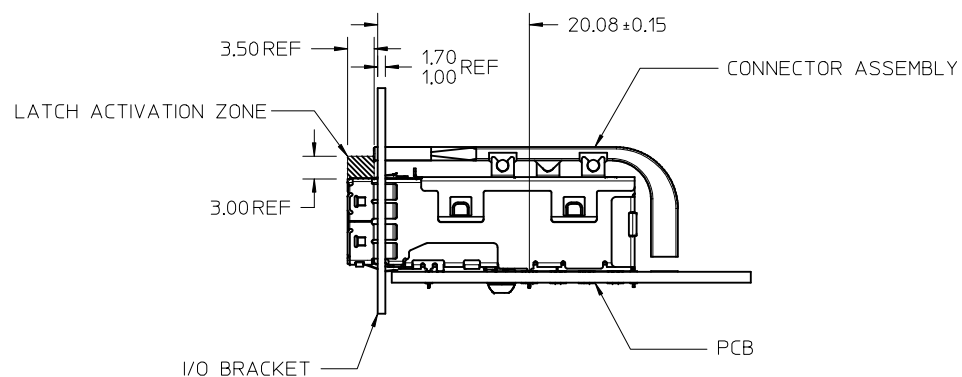
7. LIGHT PIPE ASSEMBLY APPLIED AFTER ASSEMBLY TO PCB

PLATING OPT.	MATERIAL NO.
OPTION 1	76866-0023
OPTION 2	76866-0123

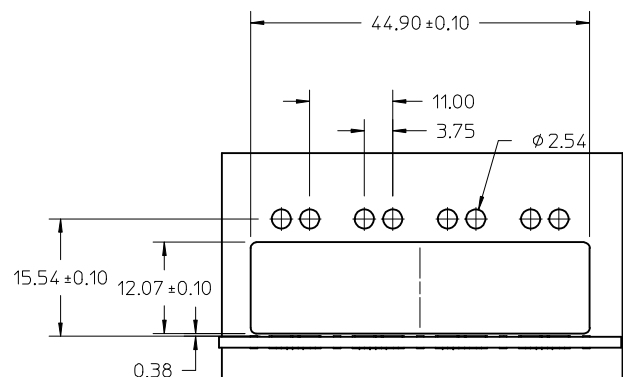
UPDATED MATL SPEC EC NO: UCP2014-1665 DRWN:TMCCLELL 2013/10/15 CHKD:TMCCLELLAND 2013/10/16 APPR:MBANAKIS 2013/10/17 D5	DESCRIPTION	QUALITY SYMBOLS F=0 E=0 F=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					DRAWN BY DATE		TITLE				
					KLANG 2009/05/01		IPASS PLUS HD 1X4 ASSEMBLY LIGHT PIPE				
					CHECKED BY DATE		molex				
					TMCCLELLAND 2013/10/16						
					APPROVED BY DATE		SD-76866-023				
					MBANAKIS 2010/01/14						
					MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
					SEE CHART				1 OF 6		
					SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



AS APPLIED TO PCB



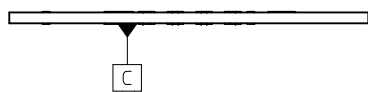
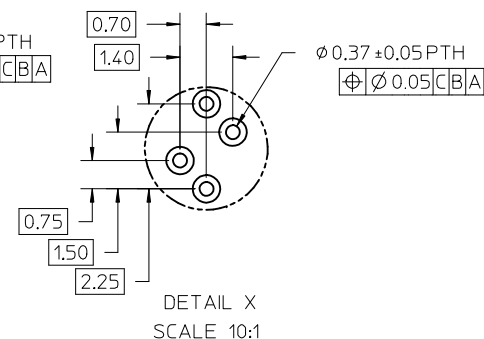
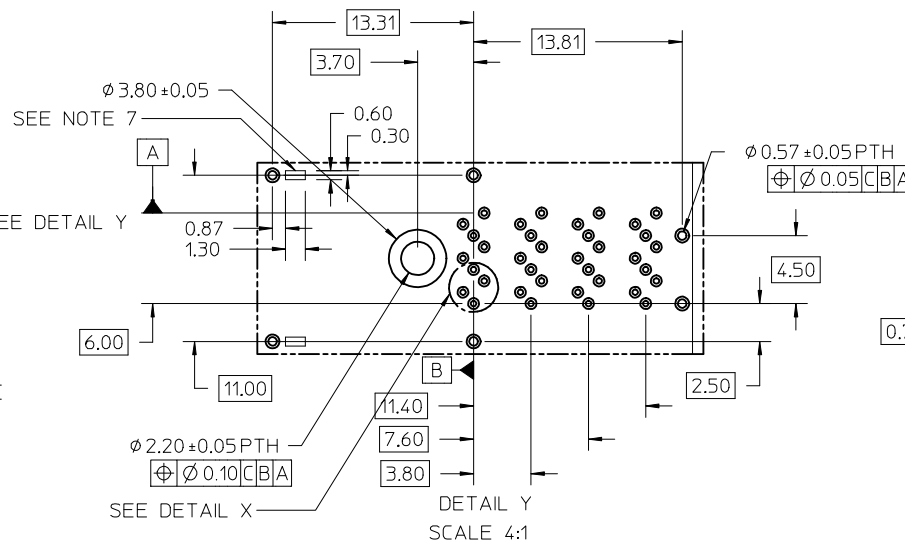
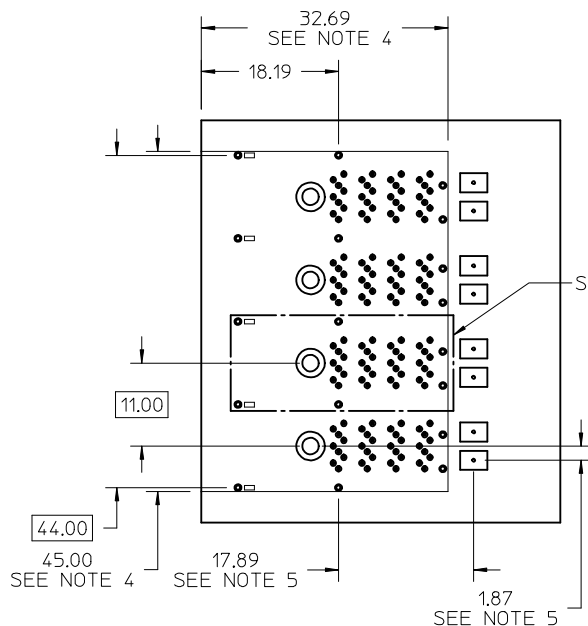
ASSEMBLED VIEW



I/O BRACKET CUT OUT
(BRACKET NOT SUPPLIED)

SEE SHEET 1 EC NO: UCP2014-1665 DRWN:TMCCLELL 2013/10/15 CHKD:TMCCLELLAND 2013/10/16 APPR:MBANAKIS 2013/10/17	D5	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
					▽=0	4 PLACES ± --- ± ---	DRAWN BY KLANG	DATE 2009/05/01	TITLE IPASS PLUS HD 1X4 ASSEMBLY LIGHT PIPE			
					▽=0	3 PLACES ± --- ± ---	CHECKED BY TMCCLELLAND	DATE 2013/10/16	molex			
					▽=0	2 PLACES ± 0.13 ± ---	APPROVED BY MBANAKIS	DATE 2010/01/14				
						1 PLACE ± 0.25 ± ---	MATERIAL NO.		DOCUMENT NO.	SHEET NO.		
						0 PLACE ± ±	SEE CHART		SD-76866-023	2 OF 6		
					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					

RECOMMENDED FOOTPRINT



NOTES:

1. RECOMMENDED DRILL SIZE AND ANNULAR RING FOR 0.37 ϕ FINISHED PTH - REFER TO APPLICATION SPECIFICATION AS-76866-001
2. MINIMUM RECOMMENDED SPACING: 47.00MM
3. MINIMUM PCB THICKNESS: 1.57MM
4. CONNECTOR KEEPOUT AREA
5. LOCATION OF LED CENTER LINE
6. RECOMMENDED DRILL SIZE AND ANNULAR RING FOR 0.57 ϕ FINISHED PTH - REFER TO APPLICATION SPECIFICATION AS-76866-001
7. CAGE STAND OFF AREA, NO TRACES ON SURFACE OF PCB IN THESE AREAS

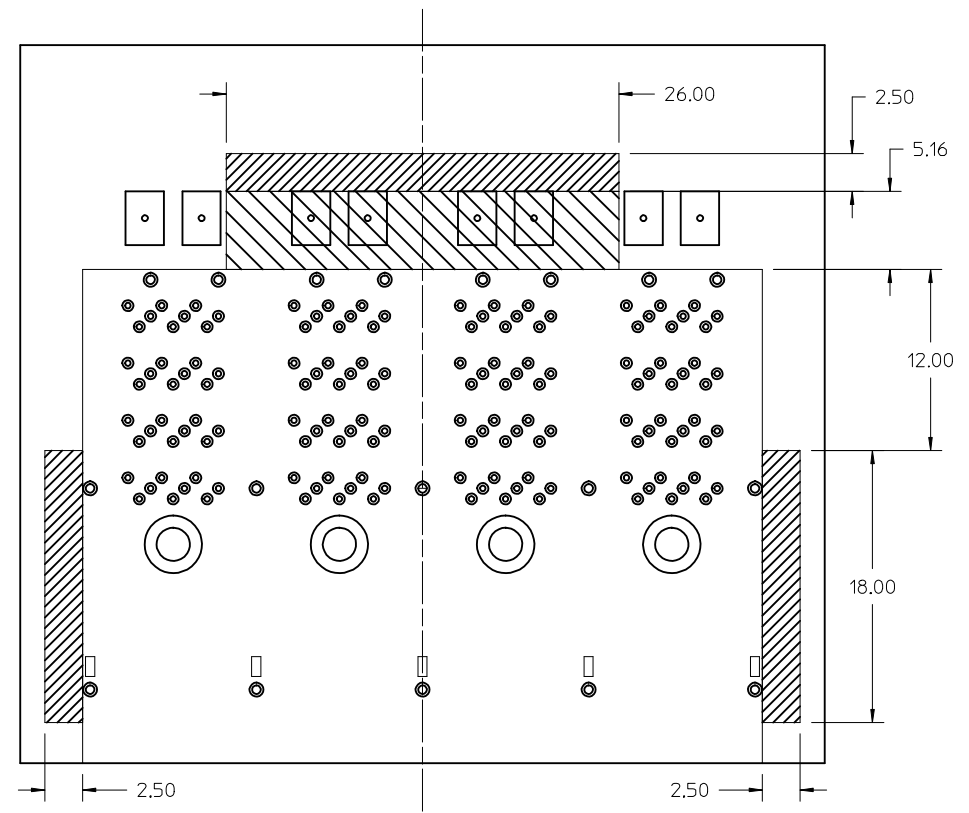
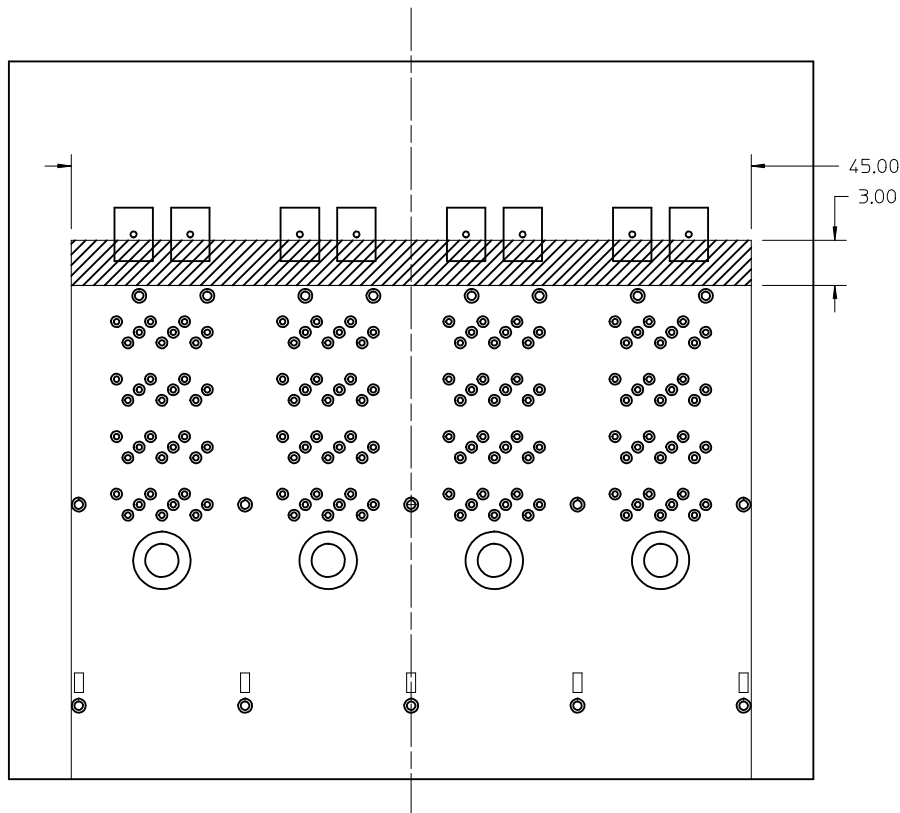
SEE SHEET 1 EC NO: UCP2014-1665 DRAWN: TMCLELL 2013/10/15 CHKD: TMCLELLAND 2013/10/16 APPR: MBANAKIS 2013/10/17 D5	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE IPASS PLUS HD 1X4 ASSEMBLY LIGHT PIPE molex	DOCUMENT NO. SD-76866-023	SHEET NO. 3 OF 6		
						DRAWN BY KLANG		DATE 2009/05/01							
						CHECKED BY TMCLELLAND		DATE 2013/10/16							
						APPROVED BY MBANAKIS		DATE 2010/01/14							
						MATERIAL NO.									
						SEE CHART									
						SIZE C									

RECOMMENDED TOOLING KEEP OUT AREAS

RECOMMENDED INSERTION TOOL
KEEP OUT AREA
NO COMPONENTS IN THIS AREA
MORE THAN 7.50 mm TALL



RECOMMENDED EXTRACTION TOOL
KEEP OUT AREA
NO COMPONENTS IN THESE AREAS
NO COMPONENTS IN THIS AREA
MORE THAN 5.00 mm TALL



SEE SHEET 1 EC NO: UCP2014-1665 DRWN:TMCCLELL 2013/10/15 CHKD:TMCCLELLAND 2013/10/16 APPR:MBANAKIS 2013/10/17 D5	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY KLANG	DATE 2009/05/01	TITLE IPASS PLUS HD 1X4 ASSEMBLY LIGHT PIPE molex SD-76866-023		SHEET NO. 4 OF 6
				4 PLACES	± ---	± ---	CHECKED BY TMCCLELLAND	DATE 2013/10/16			
				3 PLACES	± ---	± ---	APPROVED BY MBANAKIS	DATE 2010/01/14			
				2 PLACES	± 0.13	± ---	MATERIAL NO.	DOCUMENT NO.			
				1 PLACE	± 0.25	± ---	SEE CHART				
				0 PLACE	±	±					
		ANGULAR ±1/2°									
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
				SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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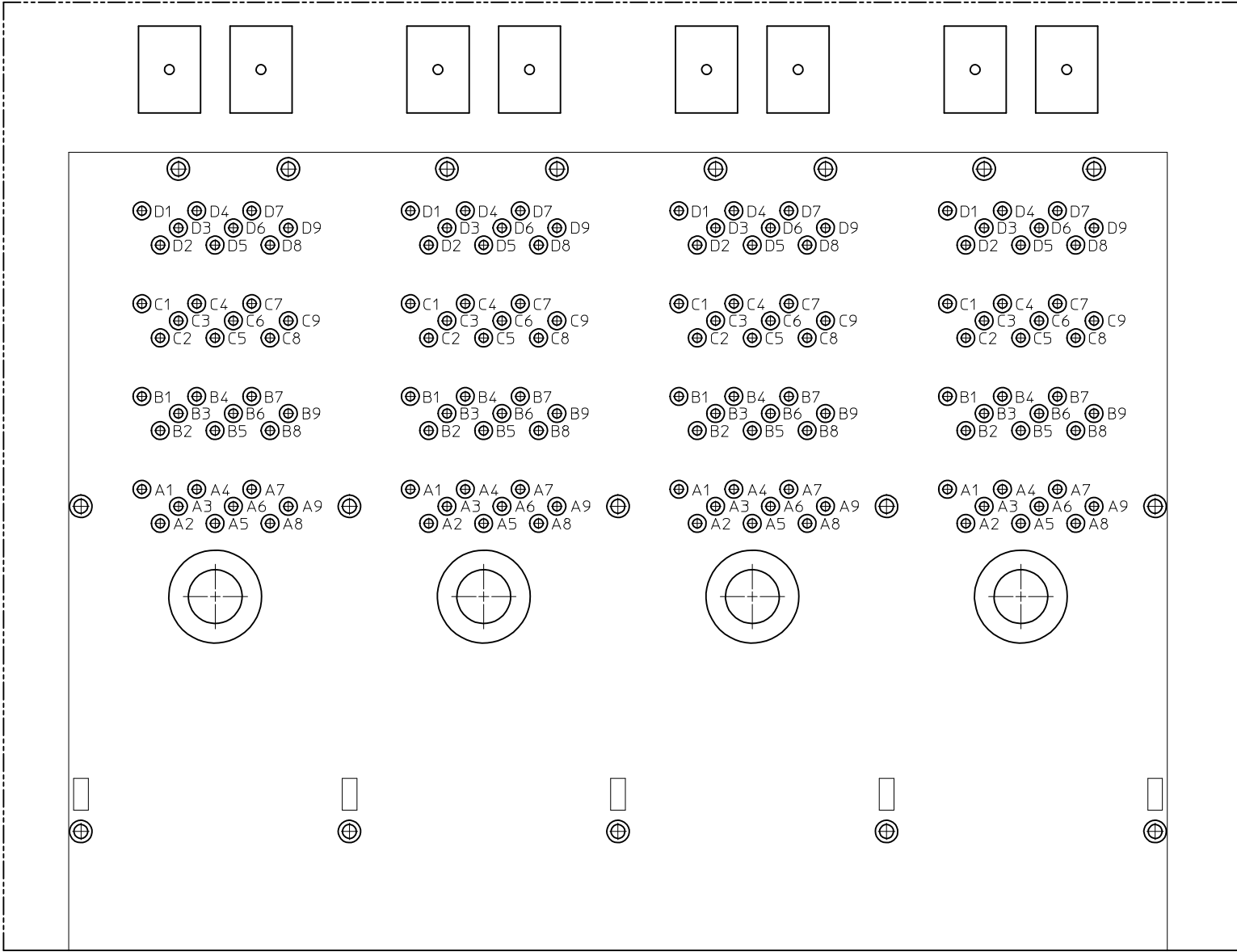
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D

C

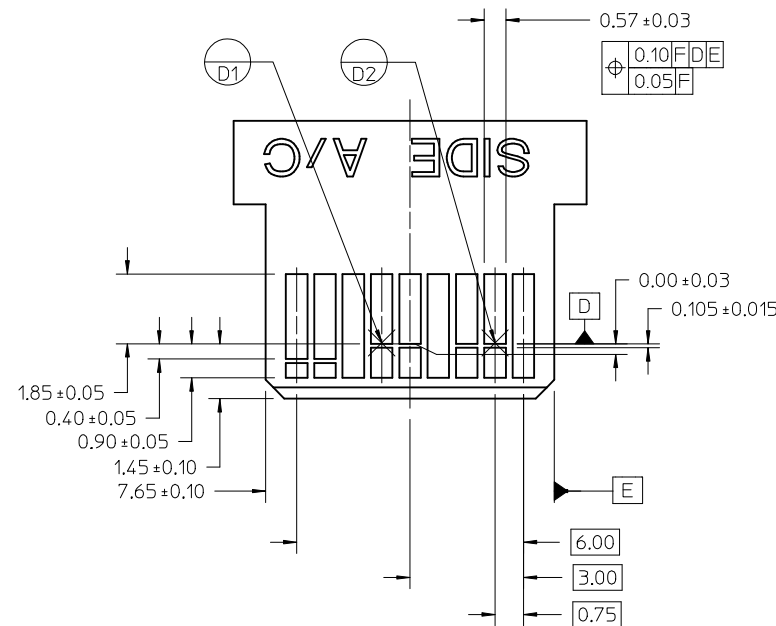
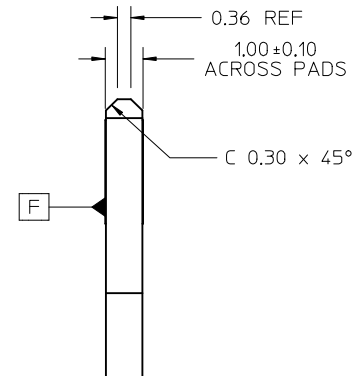
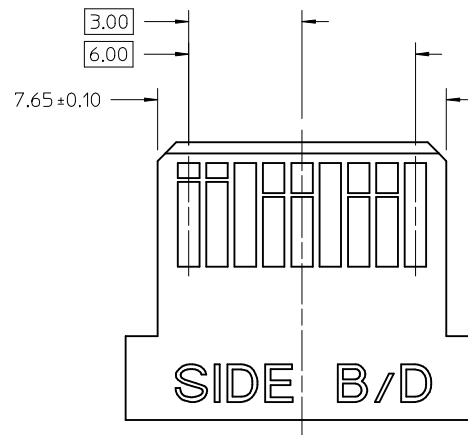
B

A



Partial1
SCALE 8:1

SEE SHEET 1 EC NO: UCP2014-1665 DRWN:TMCCLELL 2013/10/15 CHKD:TMCCLELLAND 2013/10/16 APPR:MBANAKIS 2013/10/17	REV D5	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY KLANG		DATE 2009/05/01		TITLE IPASS PLUS HD 1X4 ASSEMBLY LIGHT PIPE molex	
				4 PLACES	± ---	± ---	CHECKED BY TMCCLELLAND		DATE 2013/10/16			
				3 PLACES	± ---	± ---	APPROVED BY MBANAKIS		DATE 2010/01/14			
				2 PLACES	± 0.13	± ---	MATERIAL NO.		DOCUMENT NO.			
				1 PLACE	± 0.25	± ---	SIZE C		SD-76866-023			
				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		SHEET NO. 5 OF 6	



NOTES:

- 0.05 MINIMUM KEEP OUT FOR SOLDER MASK AROUND ALL PADS
- DATUM D TARGETS ARE DEFINED BY THE RESPECTIVE PAD CENTER LINES AND THE LEADING EDGE OF THE TARGET PADS

SEE SHEET 1 EC NO: UCP2014-1665 DRWN:TMCCLELL 2013/10/15 CHKD:TMCCLELL AND 2013/10/16 APPR:MBANAKIS 2013/10/17 D5	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 PLUS HD 1X4 ASSEMBLY LIGHT PIPE molex				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	mm	INCH	DRAWN BY KLANG	DATE 2009/05/01	APPROVED BY DATE 2010/01/14							
				4 PLACES	± ---	± ---	CHECKED BY					DATE			
				3 PLACES	± ---	± ---	DATE					2013/10/16			
				2 PLACES	± 0.13	± ---	DATE					2010/01/14			
				1 PLACE	± 0.25	± ---	DATE					2010/01/14			
			0 PLACE	±	±	MATERIAL NO.		DOCUMENT NO.				SHEET NO. 6 OF 6			
			SEE CHART					SD-76866-023							
			SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											