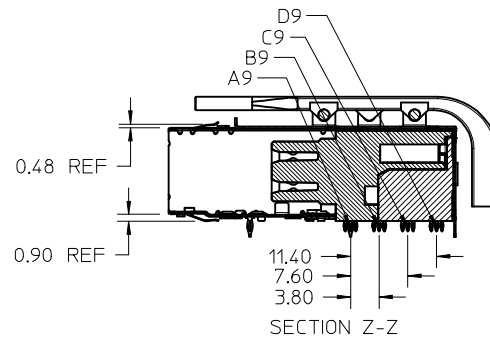
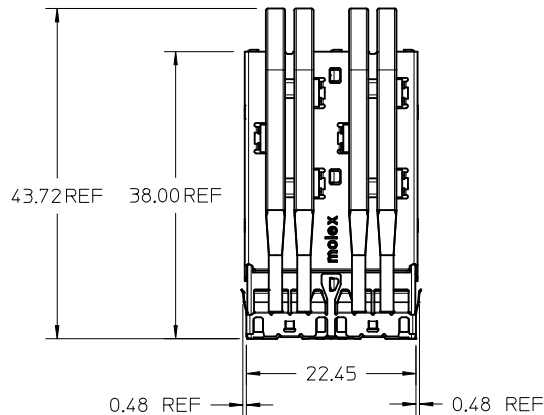


NOTES:

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 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 PIPES ASSEMBLIES WILL BE IN ONE BOX
BOTH BOXES WILL BE IN A MASTER CARTON

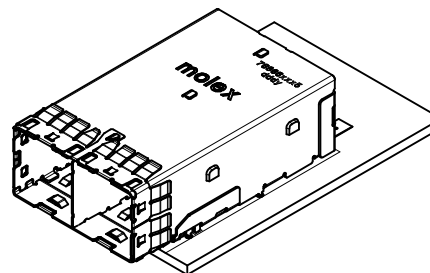
5. MATES WITH: MOLEX CABLE SERIES 111068 & 111073

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

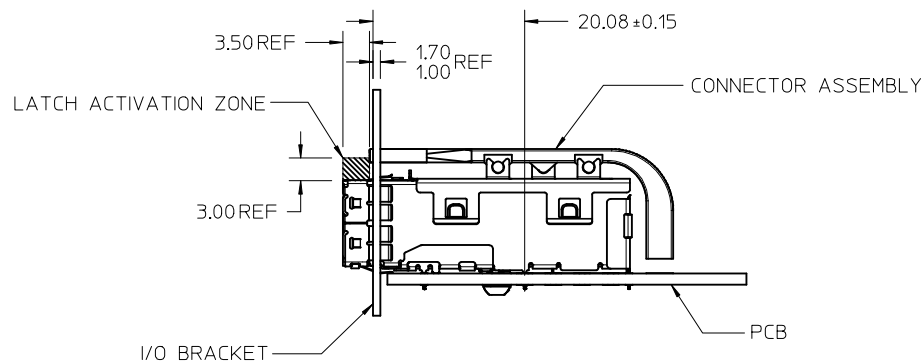
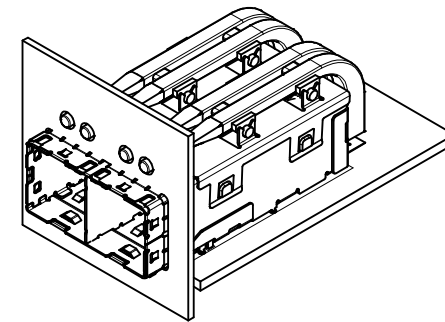
7. LIGHT PIPE ASSEMBLY TO BE APPLIED AFTER ASSEMBLY TO PCB

PLATING OPT.	MATERIAL NO.
OPTION 1	76866-0025
OPTION 2	76866-0125

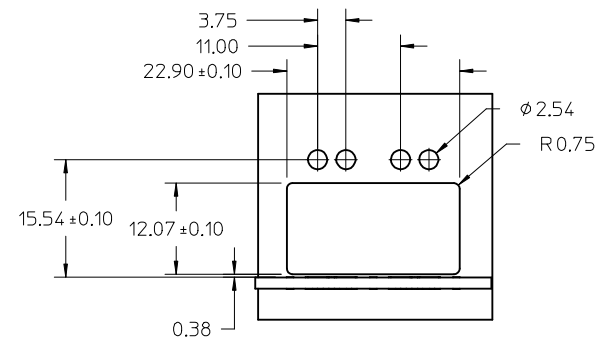
UPDATED MATL SPEC EC NO: UCP2014-1665 DRWN:TMCCLELL 2013/10/15 CHKD:TMCCLELLAND 2013/10/16 APPR:MBANAKIS 2013/10/17	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE IPASS PLUS HD 1X2 ASSEMBLY LIGHT PIPE molex
				mm	INCH	DRAWN BY KLANG	DATE 2009/06/02			
			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.	SHEET NO.			
			1 PLACE ± 0.25	± ---	SEE CHART	SD-76866-025	1 OF 6			
			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					
				REV						



AS APPLIED TO PCB

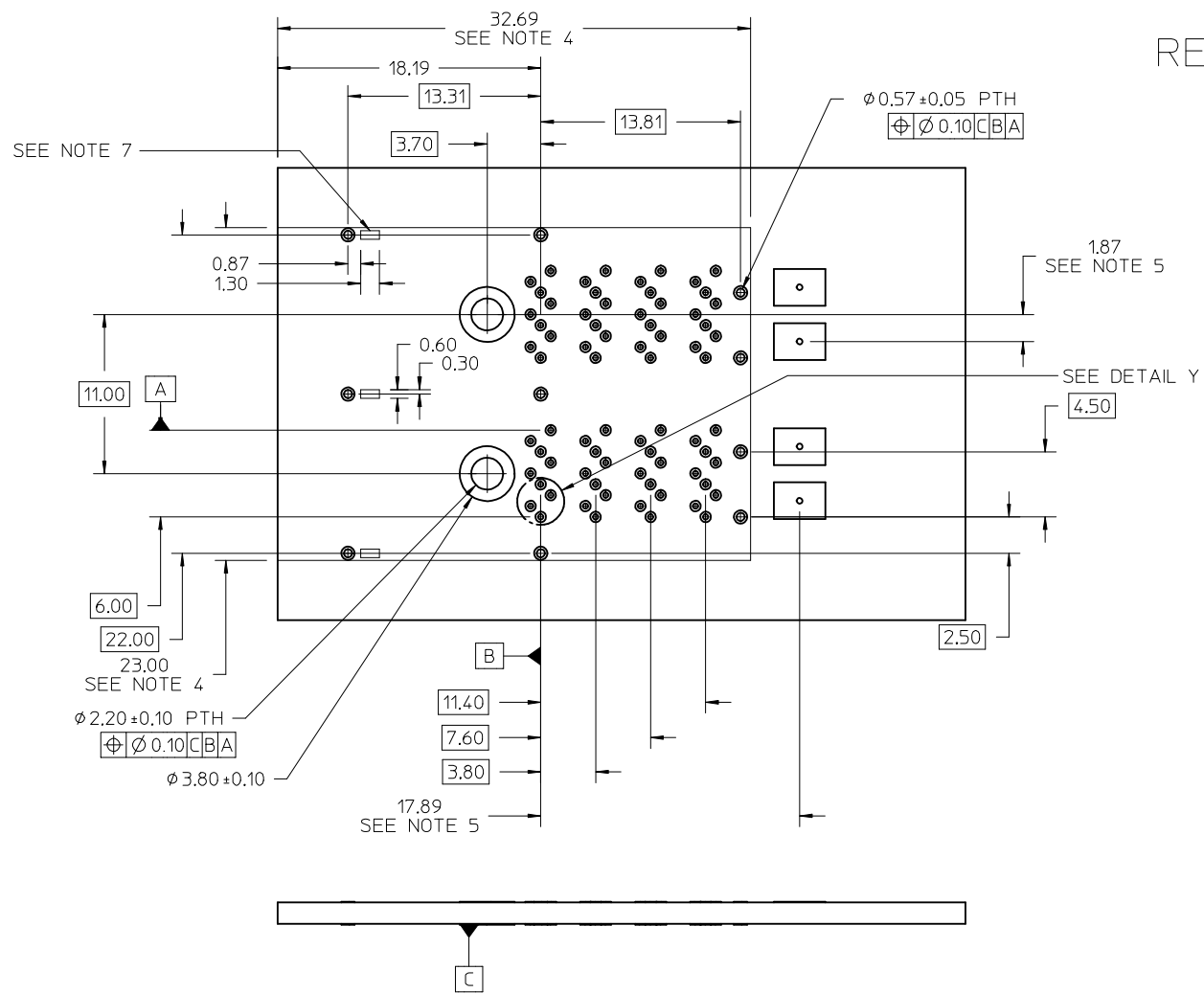


ASSEMBLED VIEW

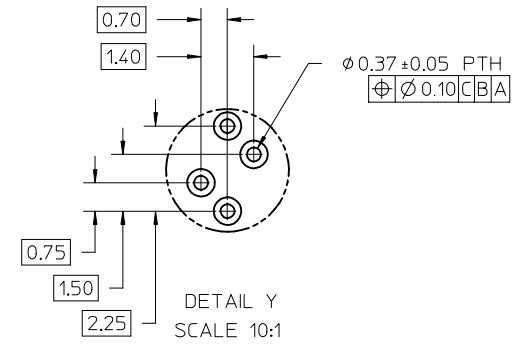


I/O BRACKET CUT OUT
(BRACKET NOT SUPPLIED)

SEE SHEET 1 EC NO: UCP2014-1665 DRWN:TMCCLELL 2013/10/15 CHKD:TMCCLELLAND 2013/10/16 APPR:MBANAKIS 2013/10/17	REV D5	DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
			mm		INCH		DRAWN BY KLANG		DATE 2009/06/02		TITLE IPASS PLUS HD 1X2 ASSEMBLY LIGHT PIPE molex	
			4 PLACES ± ---		± ---		CHECKED BY		DATE			
			3 PLACES ± ---		± ---		TMCCLELLAND		2013/10/16			
			2 PLACES ± 0.13		± ---		APPROVED BY		DATE			
			1 PLACE ± 0.25		± ---		MBANAKIS		2010/01/14			
			0 PLACE ±		±		MATERIAL NO.		DOCUMENT NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			ANGULAR ±1/2°			SEE CHART			SD-76866-025		SHEET NO. 2 OF 6	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												



RECOMMENDED FOOTPRINT



NOTES:

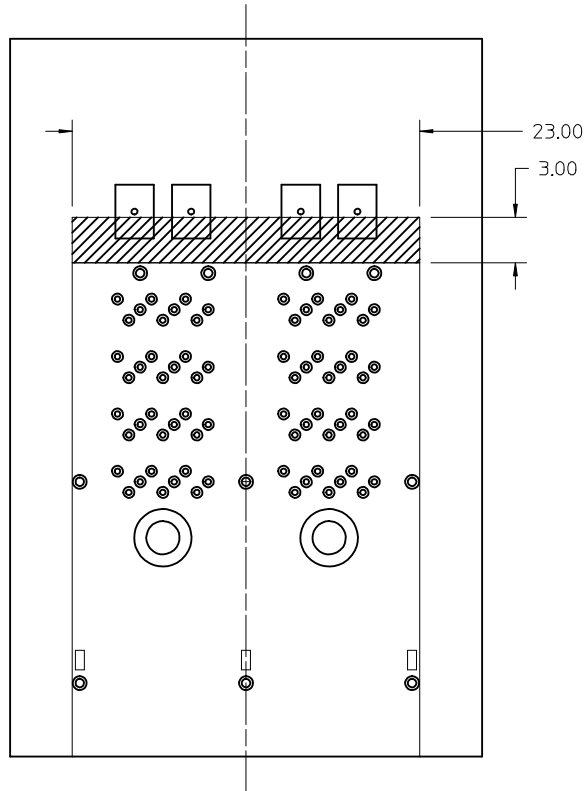
1. RECOMMENDED DRILL SIZE AND ANNULAR RING FOR 0.37 ϕ FINISHED PTH - REFER TO APPLICATION SPECIFICATION AS-76866-001
2. MINIMUM RECOMMENDED SPACING IS 25.00MM
3. MINIMUM PCB THICKNESS: 1.57MM
4. CONNECTOR KEEP OUT AREA
5. LOCATION OF LED CENTERLINE
6. RECOMMENDED DRILL SIZE AND ANNULAR RING FOR 0.57 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 DRWN:TMCCLELL 2013/10/15 CHKD:TMCCLELLAND 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	
				mm	INCH	DRAWN BY DATE KLANG 2009/06/02		TITLE IPASS PLUS HD 1X2 ASSEMBLY LIGHT PIPE		
			4 PLACES ± --- ± ---	CHECKED BY DATE TMCCLELLAND 2013/10/16						
			3 PLACES ± --- ± ---	APPROVED BY DATE MBANAKIS 2010/01/14						
			2 PLACES ± 0.13 ± ---	MATERIAL NO.				DOCUMENT NO.		SHEET NO.
			1 PLACE ± 0.25 ± ---	SEE CHART				SD-76866-025		3 OF 6
			0 PLACE ± ±	SIZE C		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							

RECOMMENDED TOOLING KEEP OUT AREAS

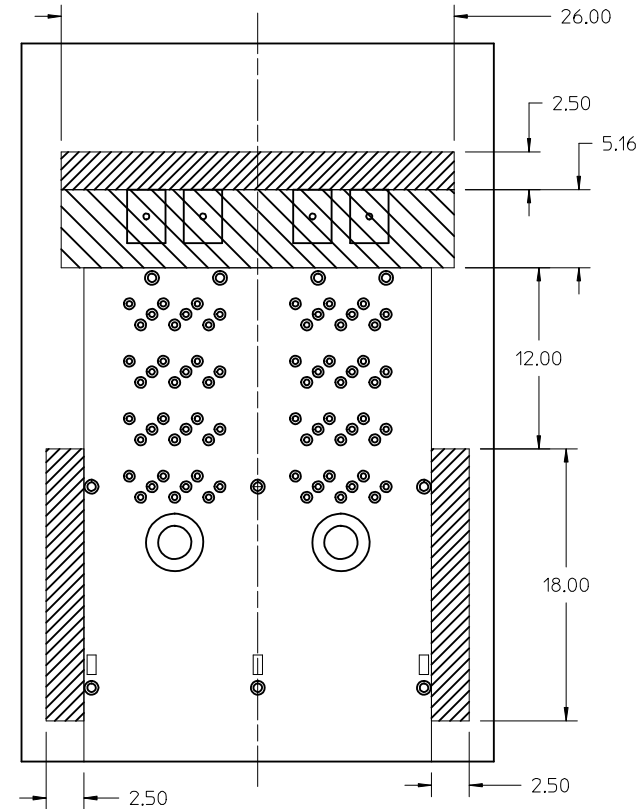
RECOMMENDED INSERTION TOOL
KEEP OUT AREA

NO COMPONENTS IN THIS AREA
MORE THAN 7.50 mm TALL

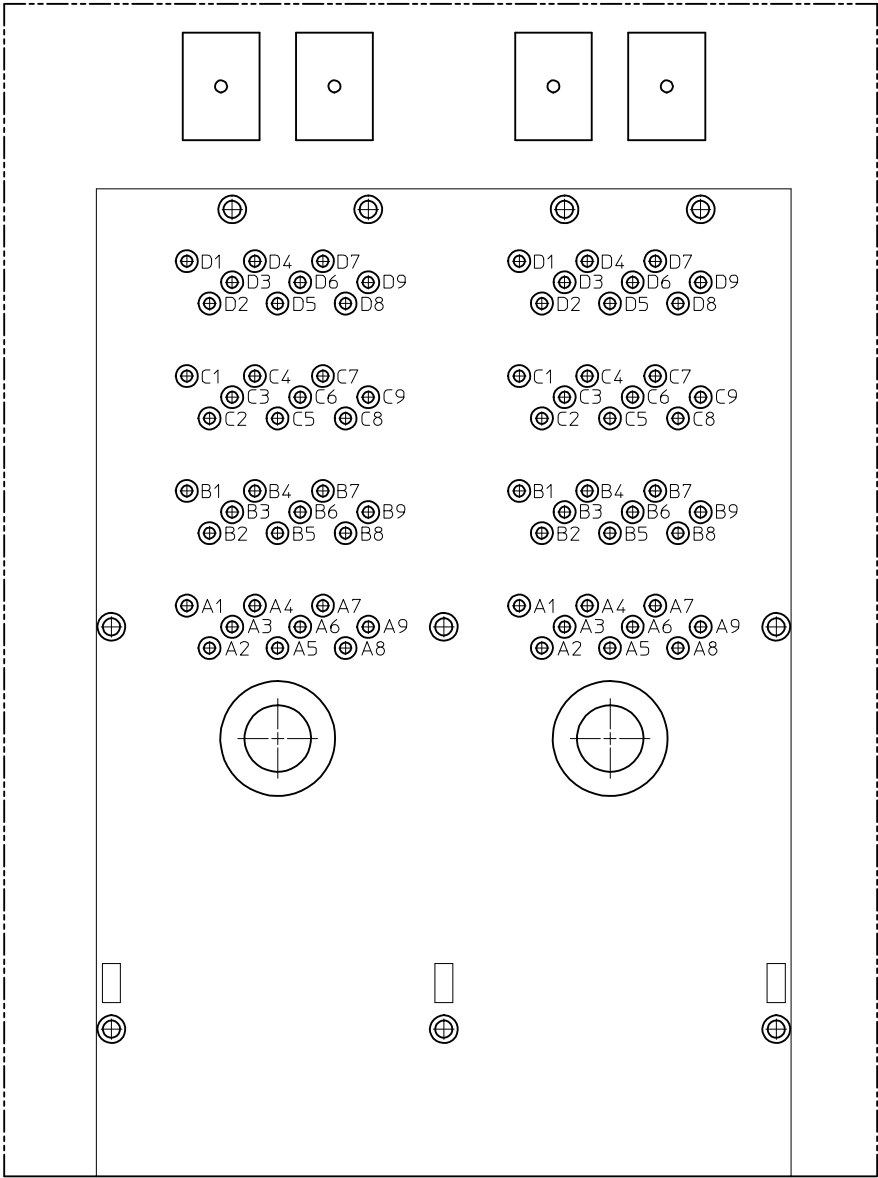


RECOMMENDED EXTRACTION TOOL
KEEP OUT AREA

NO COMPONENTS IN THESE AREAS
NO COMPONENTS IN THIS AREA
MORE THAN 5.00 mm TALL

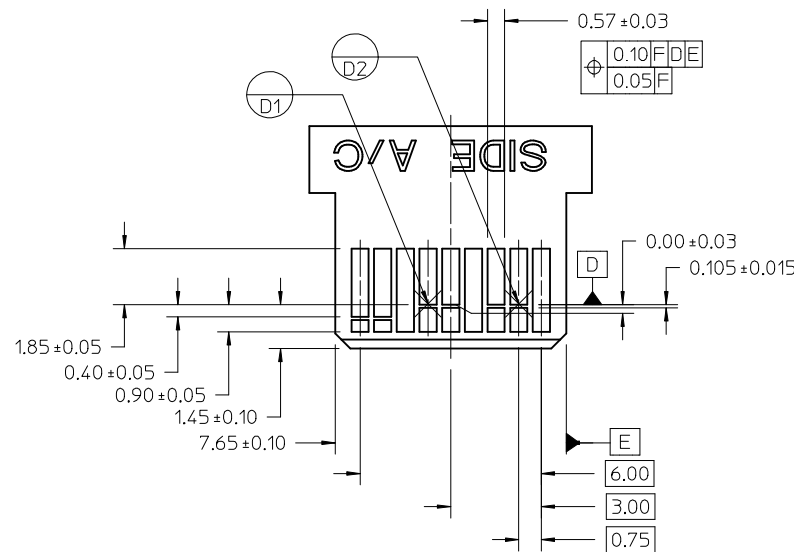
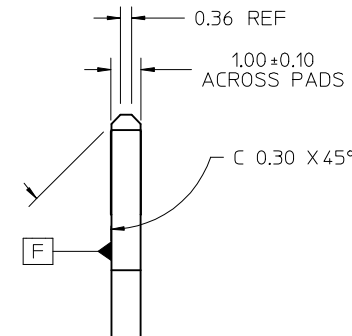
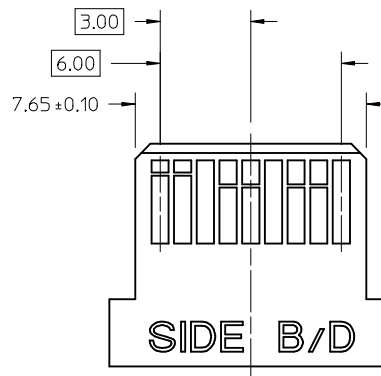


SEE SHEET 1 EC NO: UCP2014-1665 DRWN:TMCCLELL 2013/10/15 CHKD:TMCCLELLAND 2013/10/16 APPR:MBANAKIS 2013/10/17	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION				
				mm		INCH	DRAWN BY KLANK	DATE 2009/06/02	TITLE IPASS PLUS HD 1X2 ASSEMBLY LIGHT PIPE						
				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.				MOLEX INCORPORATED			
				1 PLACE ± 0.25 ± ---		SIZE C		SD-76866-025							
				ANGULAR ± 1/2°		SEE CHART			SHEET NO. 4 OF 6						
				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							



Partial1
SCALE 8:1

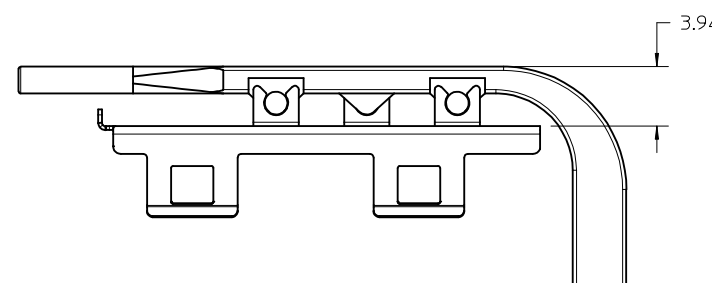
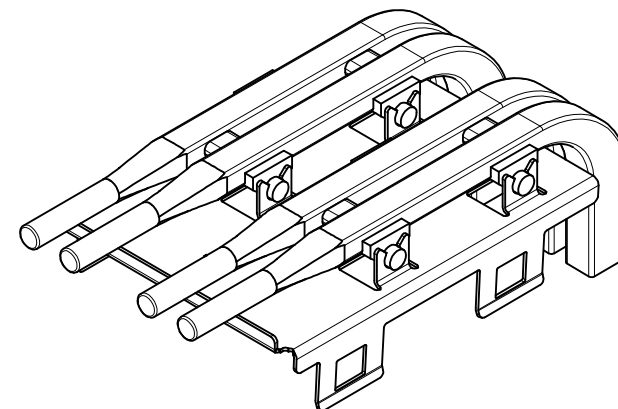
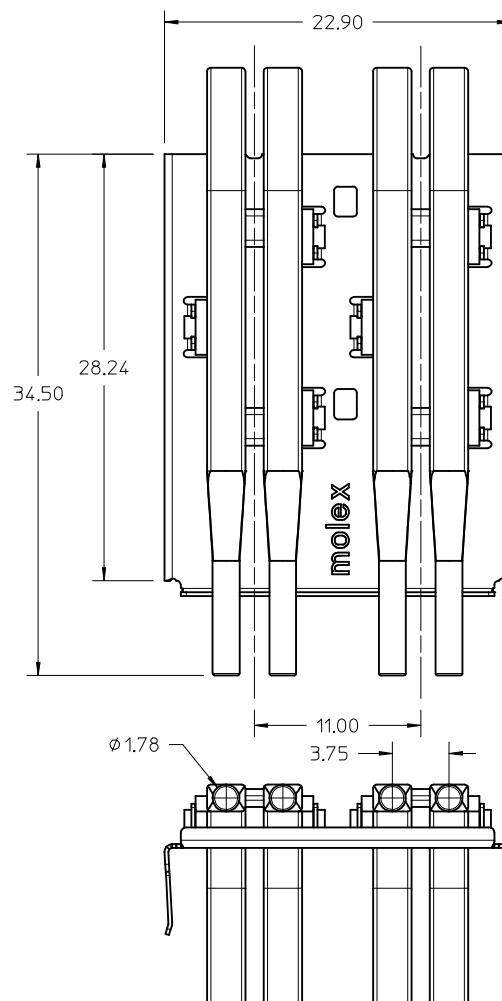
SEE SHEET 1 EC NO: UCP2014-1665 DRWN:TMCCLELL 2013/10/15 CHKD:TMCCLELLAND 2013/10/16 APPR:MBANAKIS 2013/10/17	REV D5	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					mm	INCH	DRAWN BY KLANG	DATE 2009/06/02	TITLE IPASS PLUS HD 1X2 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.				SHEET NO. 5 OF 6	
				1 PLACE	± 0.25	± ---	SEE CHART					SD-76866-025	
				0 PLACE	±	±	SIZE C		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									



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

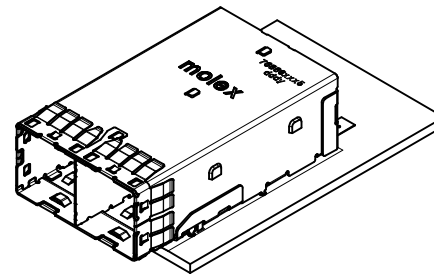
SEE SHEET 1 EC NO: UCP2014-1665 D5 DRWN:TMCCLELL 2013/10/15 CHKD:TMCCLELLAND 2013/10/16 APPR:MBANAKIS 2013/10/17	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 8:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE IPASS PLUS HD 1X2 ASSEMBLY LIGHT PIPE molex	DOCUMENT NO. SD-76866-025	SHEET NO. 6 OF 6
					mm	INCH	DRAWN BY KLANG	DATE 2009/06/02						
				4 PLACES	± ---	± ---	CHECKED BY TMCCLELLAND	DATE 2013/10/16						
				3 PLACES	± ---	± ---	APPROVED BY MBANAKIS	DATE 2010/01/14						
				2 PLACES	± 0.13	± ---	MATERIAL NO.							
				1 PLACE	± 0.25	± ---	SEE CHART							
				0 PLACE	±		SIZE C 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										



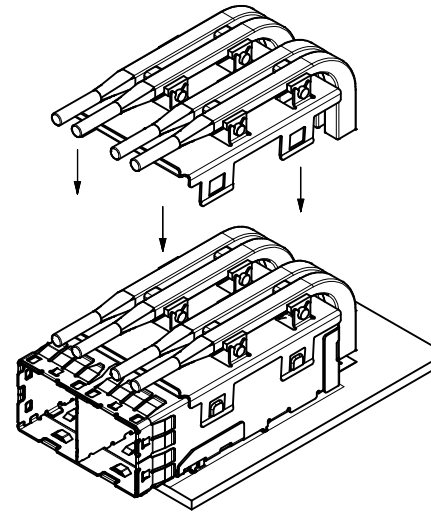
NOTES:

1. MATERIALS:
LIGHT PIPE: HALOGEN FREE, CLEAR POLYCARBONATE
COVER: STAINLESS STEEL ALLOY
2. PACKAGING SPECIFICATION: PK-76994-001
3. MATES WITH: 76866-00*5

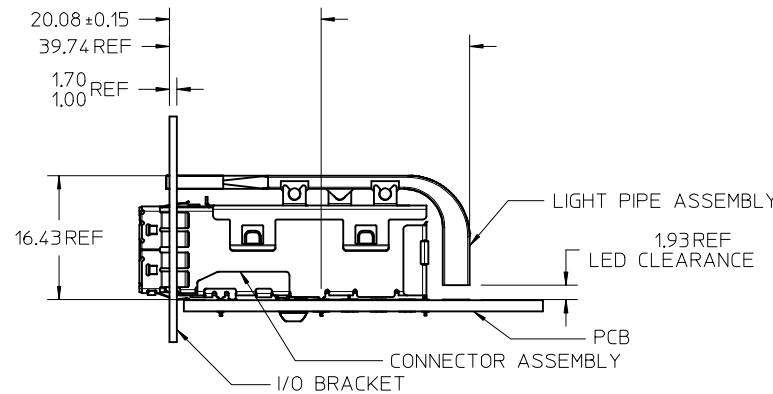
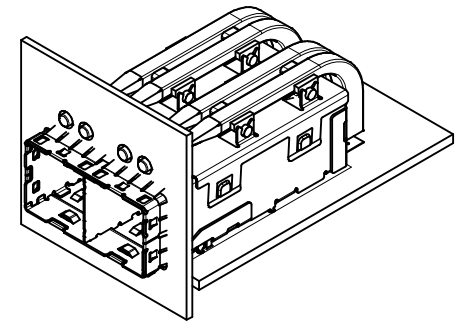
UPDATED MATL SPEC EC NO: UCP2014-1665 DRWN:TMCCLELL 2013/10/15 CHKD:TMCCLELLAND 2013/10/16 APPR:MBANAKIS 2013/10/17	REV B3	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				4 PLACES 3 PLACES 2 PLACES 1 PLACE 0 PLACE	mm	INCH	DRAWN BY KLANG	DATE 2009/06/03	TITLE IPASS PLUS HD 1X2 LIGHT PIPE & CLIP ASSEMBLY molex		
					±---	±---	CHECKED BY TMCCLELLAND	DATE 2013/10/16			
					±0.13	±---	APPROVED BY MBANAKIS	DATE 2010/01/14			
					±0.25	±---	MATERIAL NO. 76994-0003	DOCUMENT NO. SD-76994-003			
	±					SHEET NO. 1 OF 2					
				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			



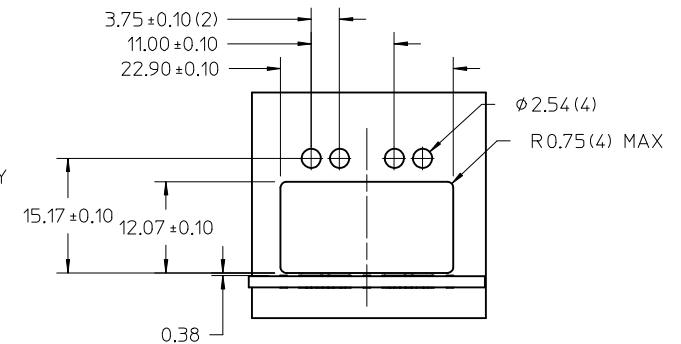
CONNECTOR AS
APPLIED TO PCB



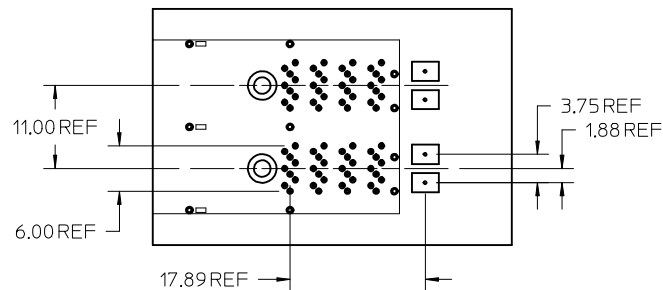
LIGHT PIPES AS
APPLIED TO CONNECTOR



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 B3	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
							DRAWN BY KLANG		DATE 2009/06/03	TITLE IPASS PLUS HD 1X2 LIGHT PIPE & CLIP ASSEMBLY			
							CHECKED BY TMCCLELLAND		DATE 2013/10/16	MOLEX MOLEX INCORPORATED			
							APPROVED BY MBANAKIS		DATE 2010/01/14				
							MATERIAL NO.		DOCUMENT NO.				
							SEE SHEET 1		SD-76994-003				
							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				