

#### 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

##### 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-76866-001

##### 5. MATES WITH: MOLEX CABLE SERIES 111068

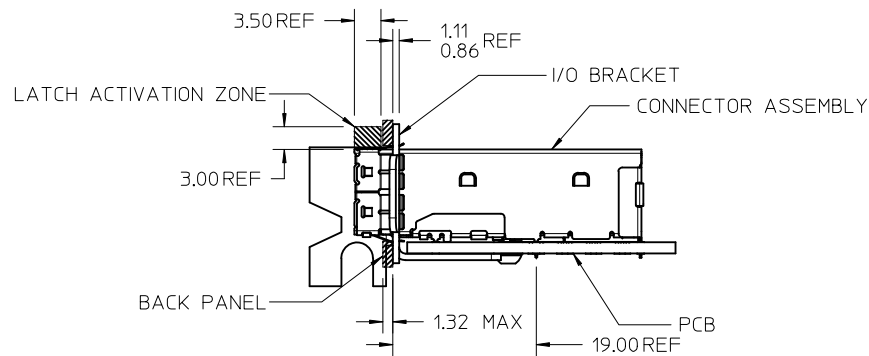
##### 6. RECOMMENDED MOUNTING HARDWARE: M2X0.4 BUTTON HEAD SCREW

MOUNTING SCREW LENGTH: BOARD THICKNESS + 1.4MM MAX (0.9MM MIN)  
MOUNTING HARDWARE NOT SUPPLIED

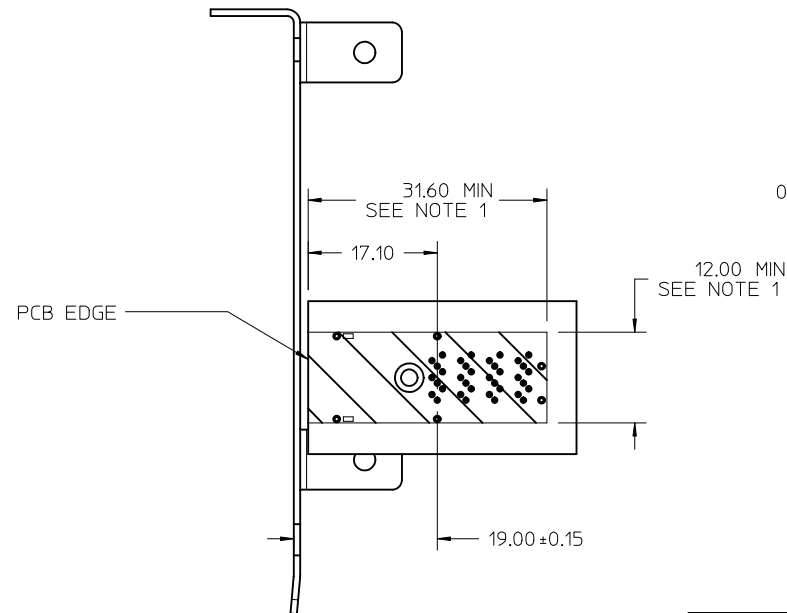
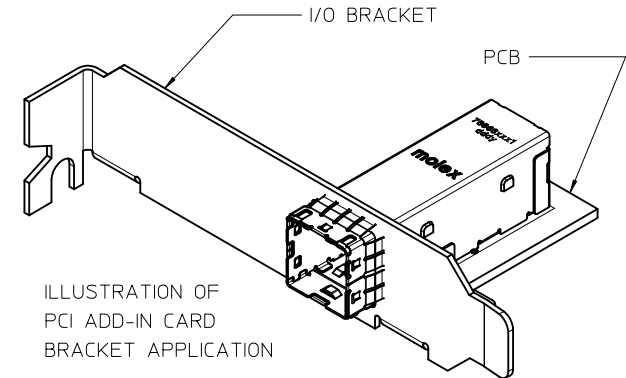
PLATING OPT.	MATERIAL NO.
OPTION 1	76866-0001
OPTION 2	76866-0011

S4-REVISE DRILL C/O EC NO: UCP2012-2025 DRUNKLANG 2011/12/22 CHKD: APPR:MBANAKIS 2011/12/22 REV D1	QUALITY SYMBOLS  ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY DATE KLANG 2009/03/04		TITLE IPASS PLUS HD 1X1 ASSEMBLY				
			4 PLACES	± ---	± ---	CHECKED BY DATE		APPROVED BY DATE MBANAKIS 2010/01/14				
			3 PLACES	± ---	± ---							
			2 PLACES	± 0.13	± ---							
			1 PLACE	± 0.25	± ---			molex MOLEX INCORPORATED				
			ANGULAR ±1/2°			MATERIAL NO.				DOCUMENT NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART				SD-76866-001		
SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

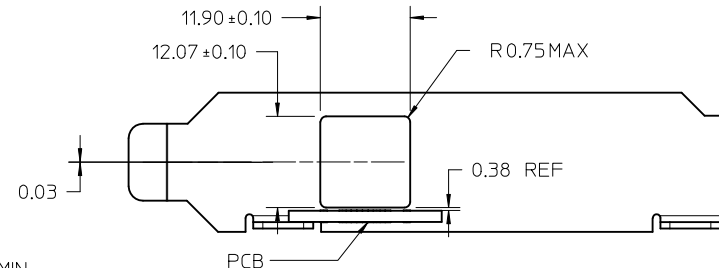
# PCI ADD-IN CARD APPLICATION



ASSEMBLED VIEW



PCB TO BRACKET VIEW



I/O BRACKET CUT OUT  
(BRACKET NOT SUPPLIED)

NOTES:  
1. CONNECTOR KEEP OUT AREA

SEE SHEET 1 EC NO: UCP2012-2025 DRWN: KLANG CHKD: APPR: MBANAKIS 2011/12/22 2011/12/22	DESCRIPTION	REV	QUALITY SYMBOLS  ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
							DRAWN BY KLANG		DATE 2009/03/04	TITLE IPASS PLUS HD 1X1 ASSEMBLY		
							CHECKED BY		DATE			
							APPROVED BY MBANAKIS		DATE 2010/01/14	MOLEX MOLEX INCORPORATED		
							MATERIAL NO.		DOCUMENT NO.			SHEET NO. 2 OF 7
							SEE CHART		SD-76866-001			

# ALL OTHER M/B APPLICATIONS

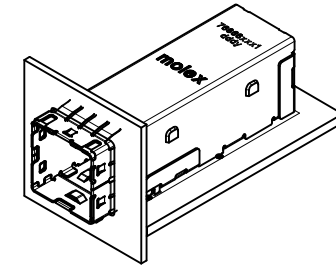
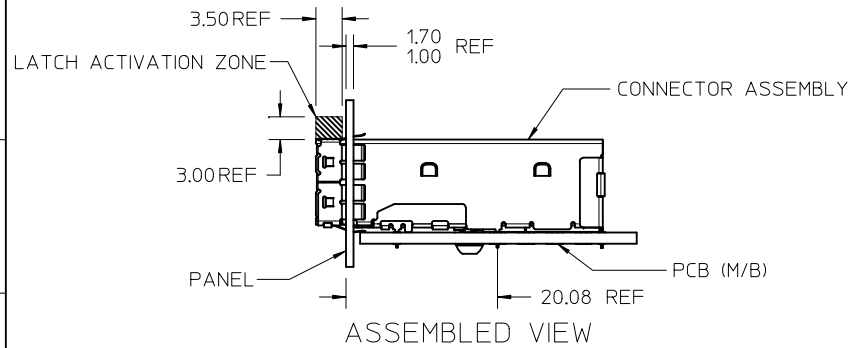
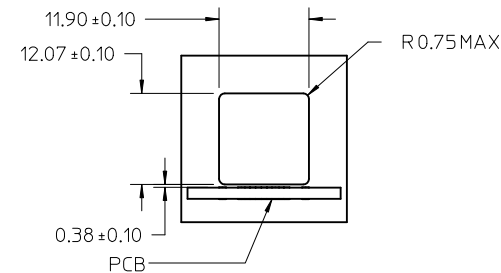
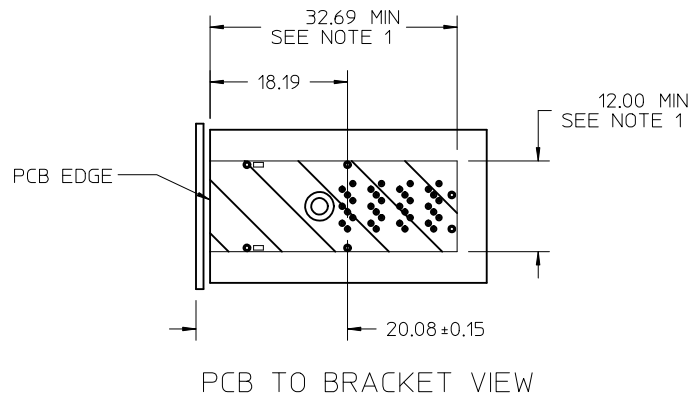




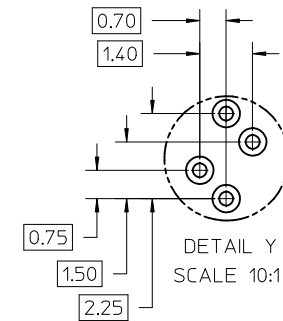
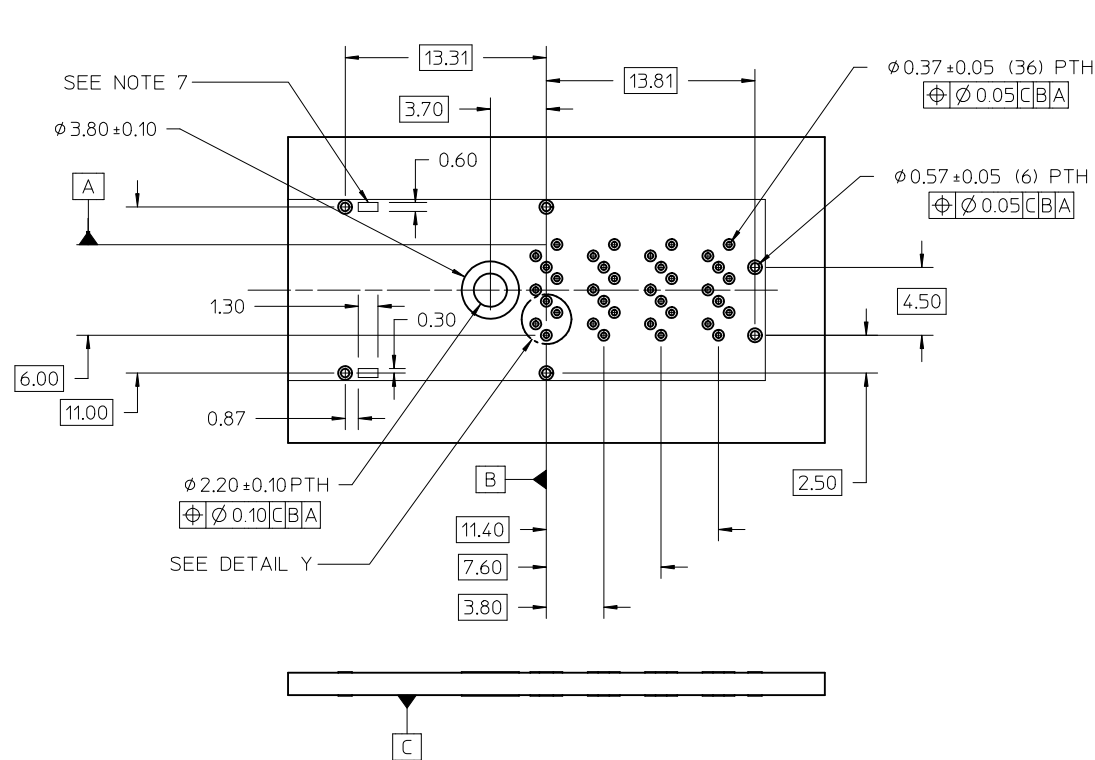
ILLUSTRATION OF  
ALL OTHER M/B  
BRACKET APPLICATION




NOTES:  
1. CONNECTOR KEEP OUT AREA

SEE SHEET 1 EC NO: UCP2012-2025 DRWN: KLANG CHKD: APPR: MBANAKIS	REV	DESCRIPTION 2011/12/22	QUALITY SYMBOLS <div>▽=0</div> <div>▽=0</div> <div>▽=0</div>	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE IPASS PLUS HD 1X1 ASSEMBLY		
				<div>mm</div> <div>INCH</div>			DRAWN BY KLANG		DATE 2009/03/04					
				4 PLACES ± --- ± ---			CHECKED BY		DATE					
				3 PLACES ± --- ± ---										
				2 PLACES ± 0.13 ± ---										
				1 PLACE ± 0.25 ± ---										
				ANGULAR ± 1/2°			APPROVED BY MBANAKIS		DATE 2010/01/14		 MOLEX INCORPORATED			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO.		DOCUMENT NO.					SHEET NO.			
				SEE CHART		SD-76866-001					3 OF 7			
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

# RECOMMENDED FOOTPRINT

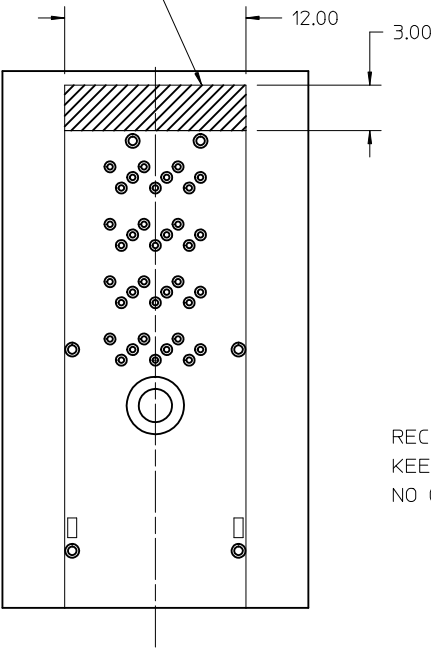


- NOTES:
1. RECOMMENDED DRILL SIZE FOR A 0.37 $\varnothing$  FINISHED PTH - REFER TO APPLICATION SPECIFICATION AS-76866-001
  2. RECOMMENDED ANNULAR RING AROUND 0.37 $\varnothing$  FINISHED PTH IS 0.73 $\varnothing$
  3. MINIMUM RECOMMENDED SPACING: 14.00MM
  4. MINIMUM PCB THICKNESS: 1.57MM
  5. RECOMMENDED DRILL SIZE FOR A 0.57 $\varnothing$  FINISHED PTH - REFER TO APPLICATION SPECIFICATION AS-76866-001
  6. RECOMMENDED ANNULAR RING AROUND A 0.57 $\varnothing$  FINISHED PTH IS 0.93 $\varnothing$
  7. CAGE STAND OFF AREA, NO TRACES ON SURFACE OF PCB IN THESE AREAS

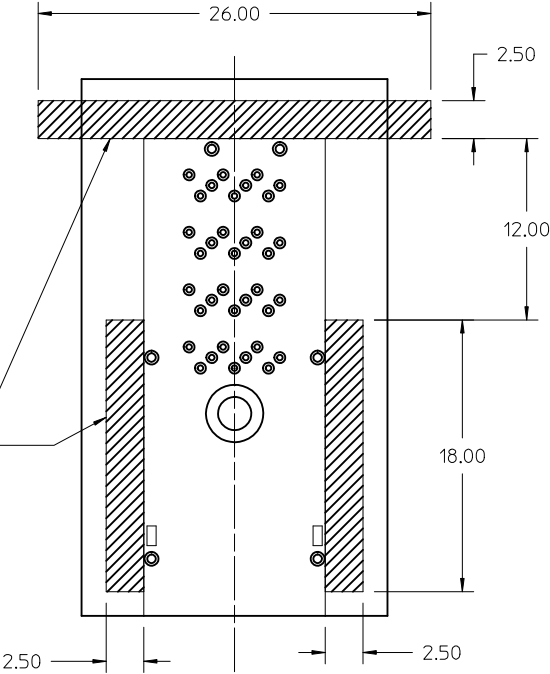
SEE SHEET 1 EC NO: UCP2012-2025 DRWN: KLANG CHKD: APPR: MBANAKIS REV	2011/12/22	DESCRIPTION	QUALITY SYMBOLS  ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE  IPASS PLUS HD 1X1 ASSEMBLY				
				4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm ± --- ± --- ± 0.13 ± 0.25	INCH ± --- ± --- ± --- ± ---	DRAWN BY KLANG		DATE 2009/03/04			APPROVED BY MBANAKIS			
							CHECKED BY		DATE						
							MATERIAL NO.		DATE 2010/01/14						
							ANGULAR ±1/2°		DOCUMENT NO.			MOLEX INCORPORATED			
							DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART			SD-76866-001			SHEET NO. 4 OF 7
SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													







RECOMMENDED TOOLING KEEP OUT AREAS

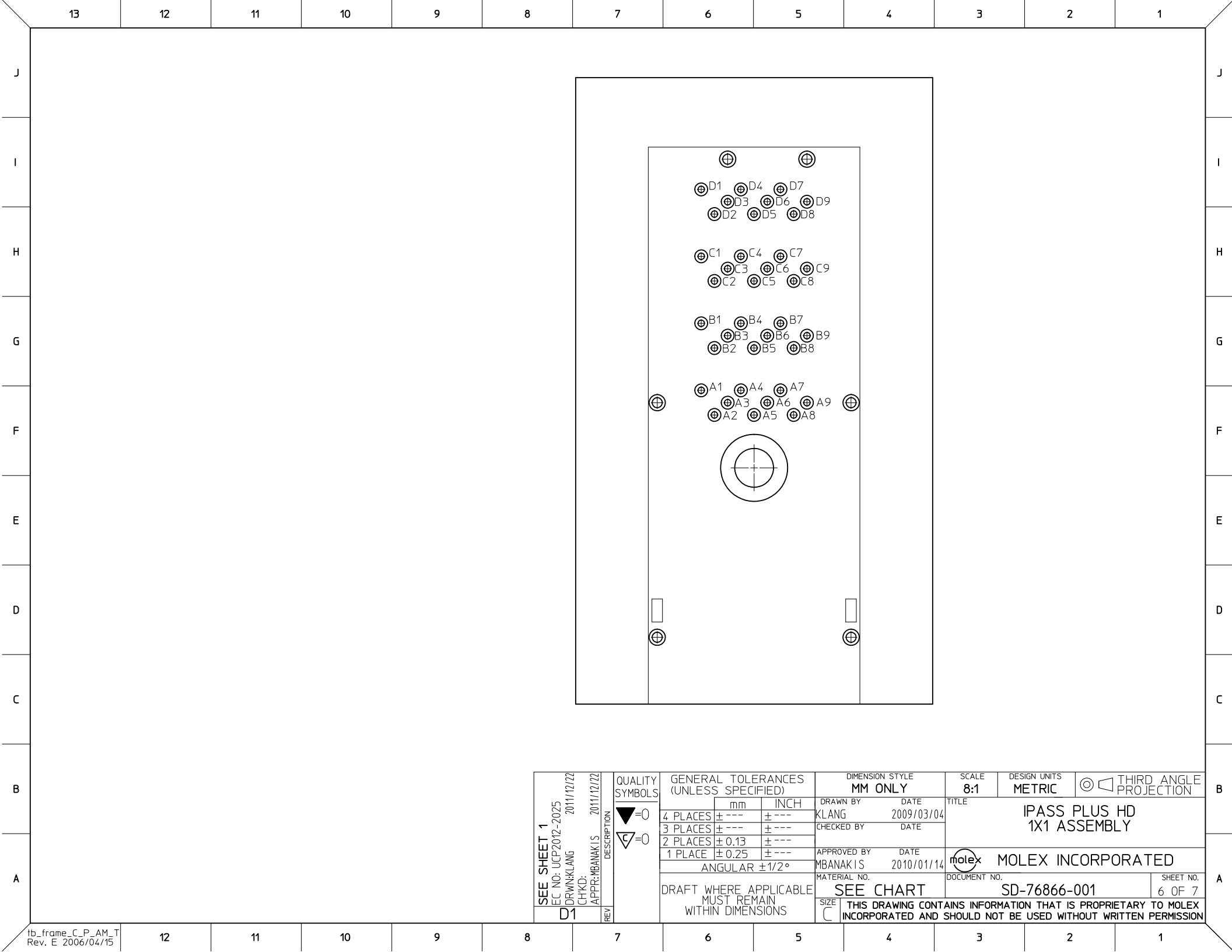
RECOMMENDED INSERTION TOOL  
KEEP OUT AREA  
NO COMPONENTS IN THIS AREA  
MORE THAN 7.50 mm TALL



RECOMMENDED EXTRACTION TOOL  
KEEP OUT AREA  
NO COMPONENTS IN THESE AREAS



SEE SHEET 1 EC NO: UCP2012-2025 2011/12/22 DRWN:KLANG CHKD: APPR:MBANAKIS 2011/12/22	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	
						MM ONLY		4:1	METRIC		
			 =0  =0  =0		mm	INCH	DRAWN BY	DATE	TITLE		
				4 PLACES	± ---	± ---	KLANG	2009/03/04			
				3 PLACES	± ---	± ---	CHECKED BY	DATE			
				2 PLACES	± 0.13	± ---					
				1 PLACE	± 0.25	± ---	APPROVED BY	DATE	 MOLEX INCORPORATED		
			ANGULAR ±1/2°			MBANAKIS	2010/01/14				
						MATERIAL NO.	DOCUMENT NO.	SHEET NO.			
			D1	REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		SD-76866-001
SIZE 		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									



SEE SHEET 1 EC NO: UCP2012-2025 DRAWN BY: DRWINKLANG CHKD: MBANAKIS APPR: MBANAKIS D1	2011/12/22	2011/12/22	DESCRIPTION	REV	QUALITY SYMBOLS  ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
							mm	INCH	DRAWN BY DATE KLANG 2009/03/04		TITLE IPASS PLUS HD 1X1 ASSEMBLY			
						4 PLACES	± ---	± ---	CHECKED BY DATE					
						3 PLACES	± ---	± ---						
						2 PLACES	± 0.13	± ---	APPROVED BY DATE MBANAKIS 2010/01/14		MOLEX INCORPORATED			
						1 PLACE	± 0.25	± ---						
						ANGULAR ±1/2°			MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		SD-76866-001		6 OF 7	
									SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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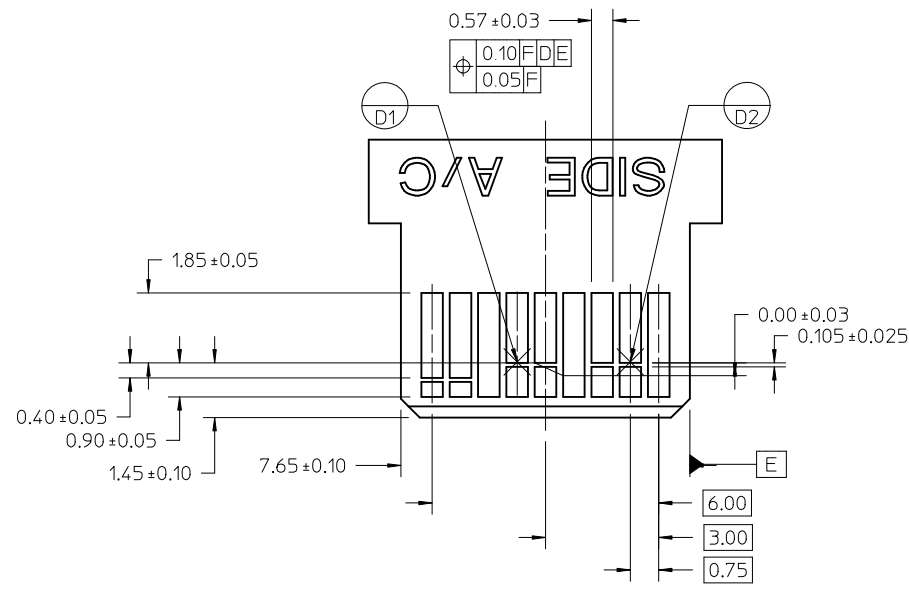
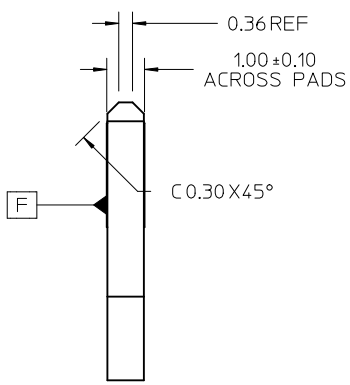
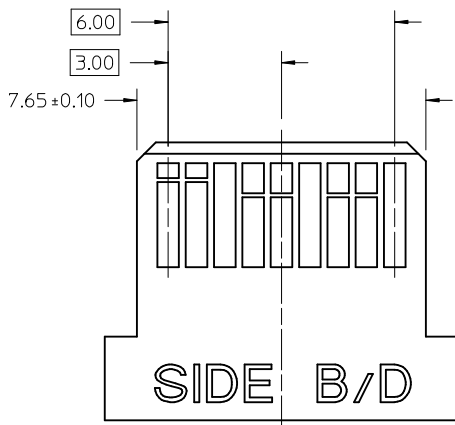
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D

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NOTES:  
1. 0.05 MINIMUM KEEP OUT FOR SOLDER MASK  
AROUND ALL PADS  
2. DATUM D TARGETS ARE DEFINED BY THE  
RESPECTIVE PAD CENTER LINES AND THE  
LEADING EDGE OF THE TARGET PADS

SEE SHEET 1 EC NO: UCP2012-2025 DRWN:KLANG 2011/12/22 CHKD: APPR:MBANAKIS 2011/12/22	REV D1	DESCRIPTION	QUALITY SYMBOLS  ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE IPASS PLUS HD 1X1 ASSEMBLY			
				4 PLACES	± ---	± ---	DRAWN BY KLANG	DATE 2009/03/04						
				3 PLACES	± ---	± ---	CHECKED BY	DATE						
				2 PLACES	± 0.13	± ---								
				1 PLACE	± 0.25	± ---								
				ANGULAR ±1/2°			APPROVED BY MBANAKIS		DATE 2010/01/14	MOLEX MOLEX INCORPORATED				
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
SEE CHART		SD-76866-001					7 OF 7							
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														