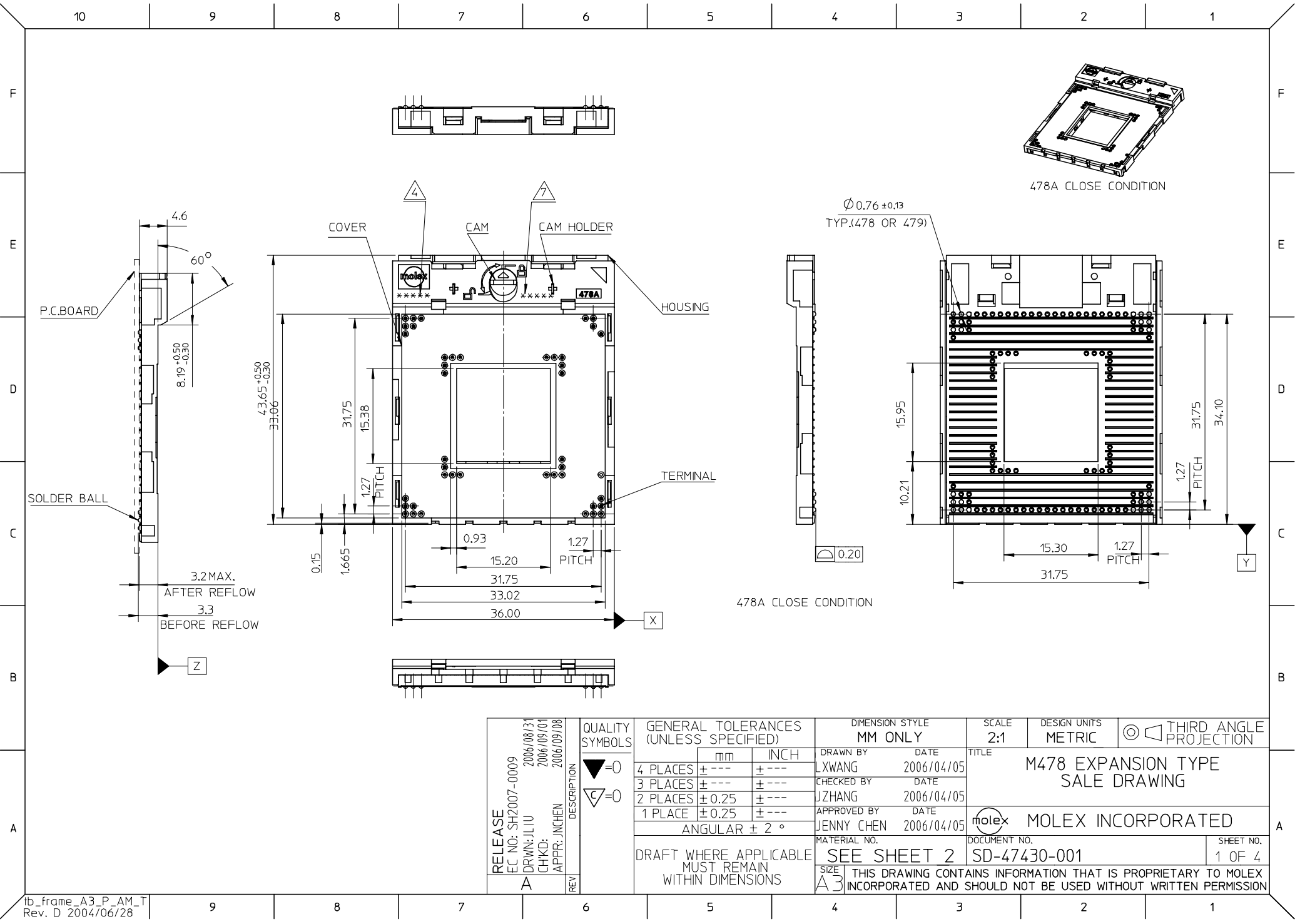




RELEASE EC NO: SH2007-0009 DRWN: JLIU CHKD: APPR: INCHEM		2006/08/31 2006/09/01 2006/09/08		DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
A		▽=0 ▽C=0			mm INCH		DRAWN BY DATE LXWANG 2006/04/05		TITLE M478 EXPANSION TYPE SALE DRAWING				
					4 PLACES ± --- ± ---		CHECKED BY DATE JZHANG 2006/04/05						
					3 PLACES ± --- ± ---		APPROVED BY DATE JENNY CHEN 2006/04/05		MOLEX INCORPORATED				
2 PLACES ± 0.25 ± ---		MATERIAL NO.		DOCUMENT NO. SD-47430-001									
1 PLACE ± 0.25 ± ---		SEE SHEET 2							SHEET NO. 1 OF 4				
ANGULAR ± 2 °		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS													

NOTES:

1. MATERIAL

HOUSING:LIQUID CRYSTAL POLYMER(LCP),

UL94V-0,COLOR BLACK

COVER:LIQUID CRYSTAL POLYMER(LCP),

UL94V-0,COLOR:SEE NOTE 8

CONTACT:COPPER ALLOY;

SOLDER BALL:Sn/Pb(63:37)Ø0.76 FOR LEADED

Sn-Ag-Cu(96.5:3:0.5)Ø0.76 FOR LEAD-FREE

CAM:STAINLESS STEEL

CAM HOLDER:STAINLESS STEEL

2. PLATING

CONTACT AREA:GOLD THICKNESS SEE NOTES 8

UNDER PLATING:NICKEL THICKNESS 1.5 MICROMETER MIN.

3. SOLDER BALL COPLANARITY:0.2MAX.

4. DATE CODE;

* * * * *

DAY(01-31)

MONTH(01-12)

YEAR(0-9)

5. PRODUCT SPECIFICATION REFER TO

PS-51248-005 FOR LEADED

PS-51248-020 FOR LEAD-FREE

6. PACKAGE DRAWING REFER TO PK-500161-003 FOR HARDTRAY PACKAGE,
PK-500161-002 FOR TAPE REEL PACKAGE;

7. DATE CODE

* * * * *

NONE:LEAD SOCKET,LF:LEAD-FREE SOCKET

8. PART NUMBER LIST

47430-*

* * * * *

TYPE:0:LEADED;5:LEAD-FREE

PLATING OF CONTACT AREA:1:10 MICROINCH GOLD

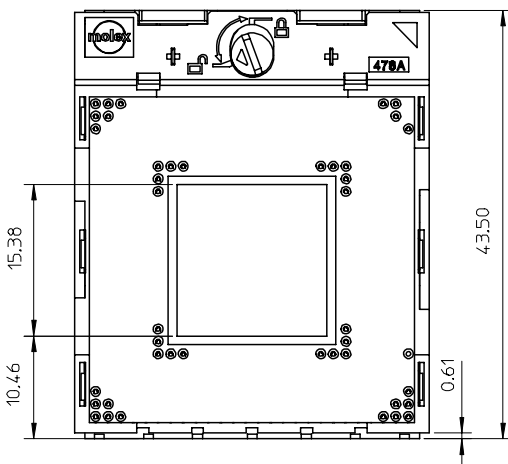
3:30 MICROINCH GOLD

PACKAGE:1:P&P COVER+HARDTRAY,2:MYLAR+HARDTRAY

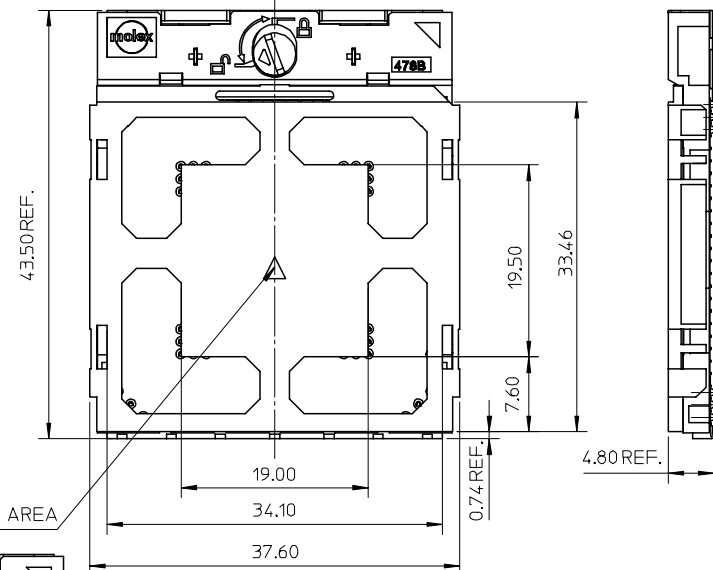
3:P&P COVER+TAPE REEL,4:MYLAR+TAPE REEL

VERSION TYPE:9:479(WHITE),8:478A(YELLOW),7:478B(WHITE)

6:478B(PURPLE),4:478C(BLUE)

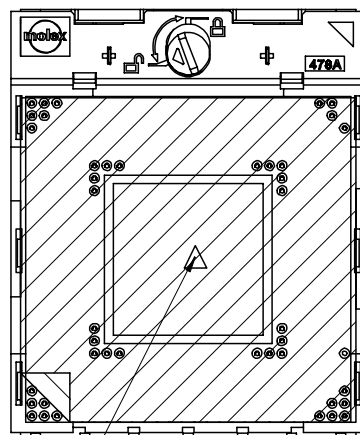


478A OPEN CONDITION



VACUUM AREA

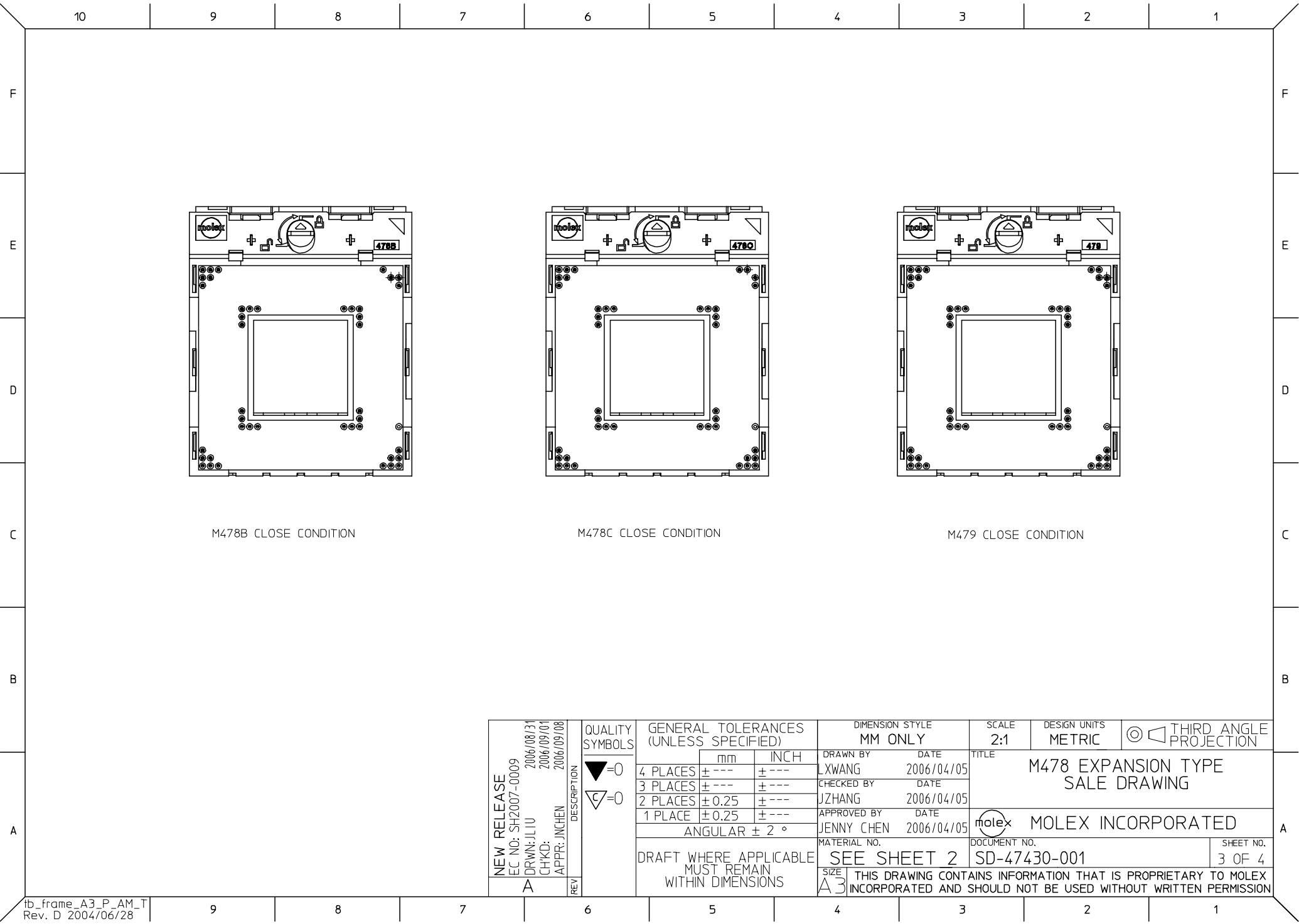
AT PACKAGED (WITH P&P COVER)



VACUUM AREA

AT PACKAGED (WITH MYLAR)

NEW RELEASE EC NO: SH2007-0009 DRWN: JLIU CHKD: JZHANG APPR: JNCHEN	2006/08/31 2006/09/01 2006/09/08	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
				4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm	INCH	DRAWN BY LXWANG	DATE 2006/04/05	TITLE M478 EXPANSION TYPE SALE DRAWING					
					± ---	± ---	CHECKED BY JZHANG	DATE 2006/04/05						
					± ---	± ---	APPROVED BY JENNY CHEN	DATE 2006/04/05						
					± 0.25	± ---	MATERIAL NO.	DOCUMENT NO.		SHEET NO. 2 OF 4				
				ANGULAR ± 2 °			SEE NOTES		SD-47430-001					
				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							

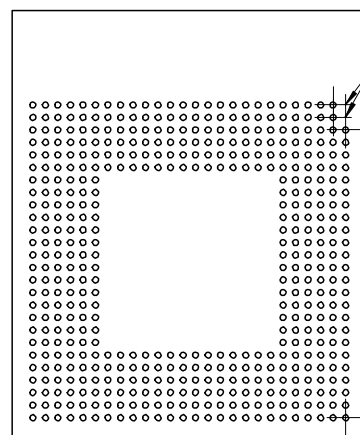


M478B CLOSE CONDITION

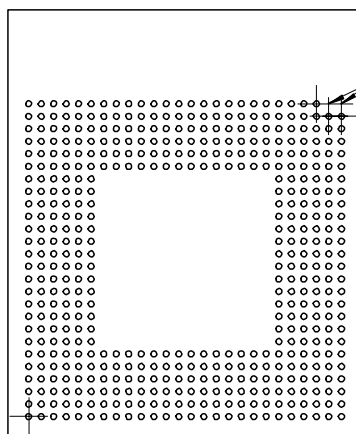
M478C CLOSE CONDITION

M479 CLOSE CONDITION

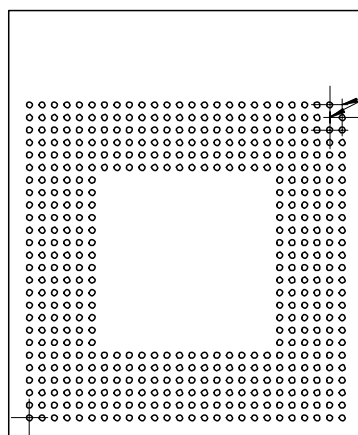
NEW RELEASE EC NO: SH2007-0009 DRWN: JLIU CHKD: APPR: JNCHEN A	2006/08/31 2006/09/01 2006/09/08	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 		
						DRAWN BY LXWANG		DATE 2006/04/05		TITLE M478 EXPANSION TYPE SALE DRAWING		
						CHECKED BY JZHANG		DATE 2006/04/05				
						APPROVED BY JENNY CHEN		DATE 2006/04/05				
				ANGULAR ± 2 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2 SIZE A3		SD-47430-001		3 OF 4		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												



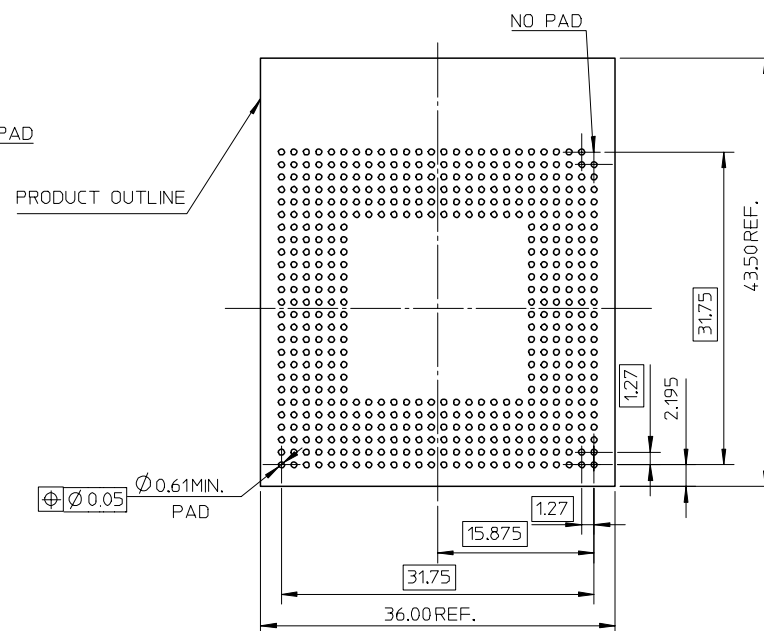
478A TYPE



478B TYPE



478C TYPE



479 TYPE

RECOMMENDED P.C.BOARD LAYOUT

NEW RELEASE EC NO: SH2007-0009 DRWN: LIU CHKD: APPR: JINCHEN 2006/08/31 2006/09/01 2006/09/08	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																														
		▼=0 ▽=0	<table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± 0.25</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± 0.25</td><td>± ---</td></tr><tr><td colspan="3">ANGULAR ± 2 °</td></tr></table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.25	± ---	1 PLACE	± 0.25	± ---	ANGULAR ± 2 °			<table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>LXWANG</td><td>2006/04/05</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>JZHANG</td><td>2006/04/05</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>JENNY CHEN</td><td>2006/04/05</td></tr></table>	DRAWN BY	DATE	LXWANG	2006/04/05	CHECKED BY	DATE	JZHANG	2006/04/05	APPROVED BY	DATE	JENNY CHEN	2006/04/05	TITLE M478 EXPANSION TYPE SALE DRAWING				
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