

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

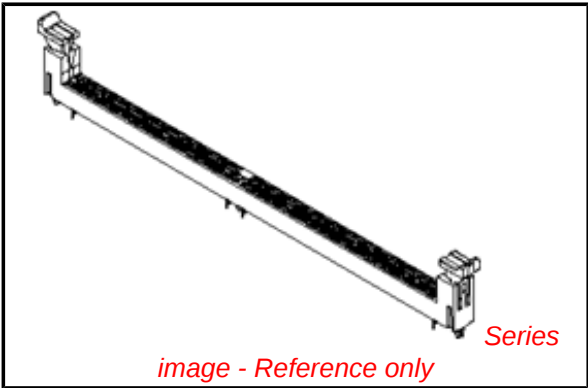
0877751001

Status:

Active

Description:

1.00mm (.039") Pitch DDR2 DIMM Socket, Through Hole, 0.76µm (30µ") Gold (Au), 2.67mm (0.109") Solder tail, 276 Circuits, Lead free



Documents:

3D Model

Drawing (PDF)

Product Specification PS-87775-018 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	Memory Module Sockets
Series	87775
Component Type	Socket
JEDEC Outline	N/A
Product Name	DDR2 DIMM
Physical	
Circuits (Loaded)	276
Circuits (maximum)	276
Color - Resin	Black, Natural
Durability (mating cycles max)	25
Entry Angle	Vertical (Top Entry)
Function Key	None
Keying to Mating Part	Yes
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
PC Tail Length (in)	0.105 In
PC Tail Length (mm)	2.67 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.57 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.039 In
Pitch - Mating Interface (mm)	1.00 mm
Pitch - Term. Interface (in)	0.039 In
Pitch - Term. Interface (mm)	1.00 mm
Plating min: Mating (µin)	30.4
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	101.6
Plating min: Termination (µm)	2.54
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Through Hole

Electrical	
Current - Maximum per Contact	0.5A
Voltage - Maximum	30V AC (RMS)/DC
Voltage Key	Center

Material Info

Reference - Drawing Numbers	
Packaging Specification	PK-87775-001
Product Specification	PS-87775-018, RPS-87775-020
Sales Drawing	SD-87775-002

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com

For a multiple part number RoHS Certificate of Compliance, [click here](#)

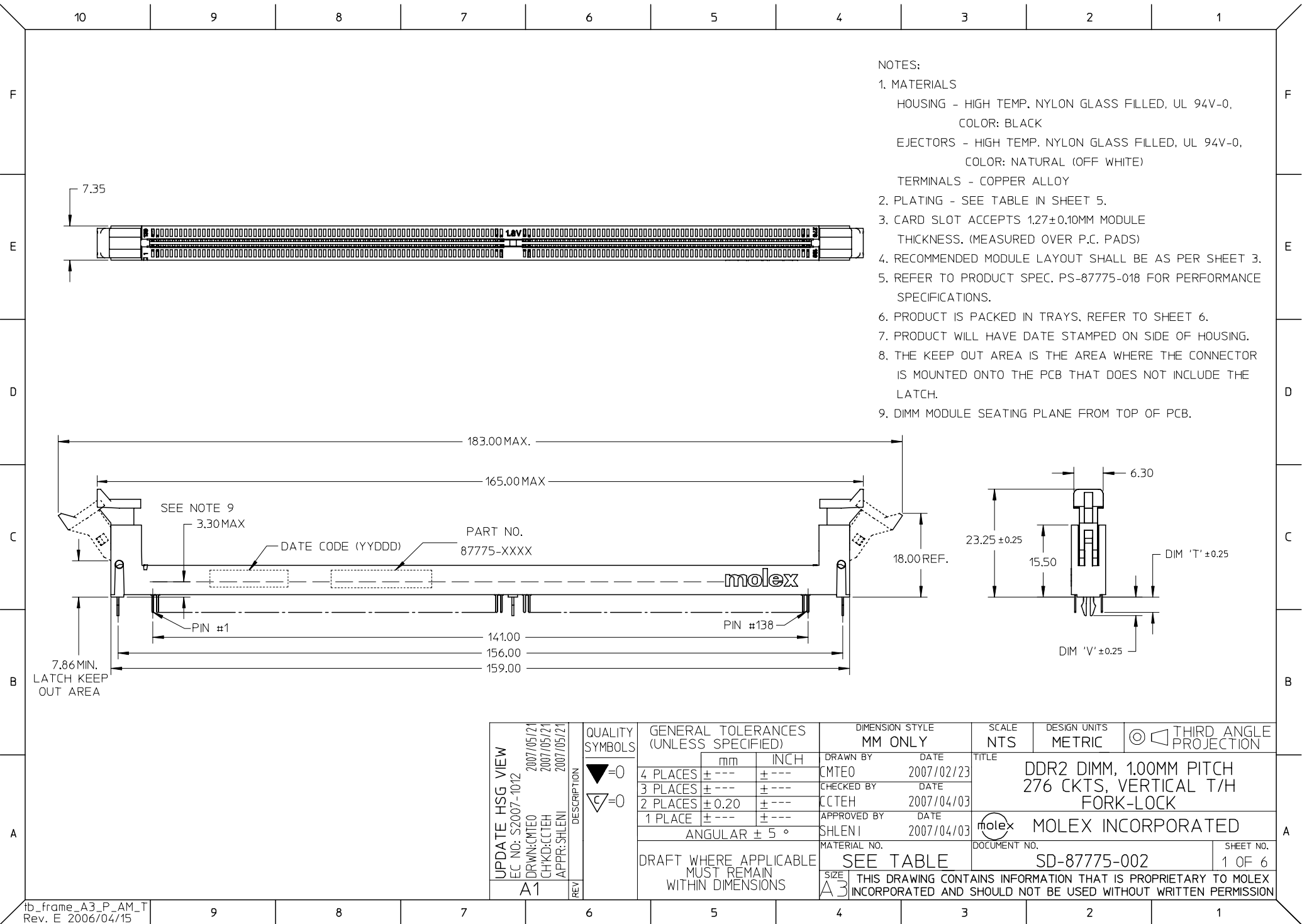
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

87775Series

This document was generated on 05/27/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



NOTES:

1. MATERIALS

HOUSING - HIGH TEMP. NYLON GLASS FILLED, UL 94V-0,
COLOR: BLACK

EJECTORS - HIGH TEMP. NYLON GLASS FILLED, UL 94V-0,
COLOR: NATURAL (OFF WHITE)

TERMINALS - COPPER ALLOY

2. PLATING - SEE TABLE IN SHEET 5.

3. CARD SLOT ACCEPTS 1.27±0.10MM MODULE
THICKNESS. (MEASURED OVER P.C. PADS)

4. RECOMMENDED MODULE LAYOUT SHALL BE AS PER SHEET 3.

5. REFER TO PRODUCT SPEC. PS-87775-018 FOR PERFORMANCE
SPECIFICATIONS.

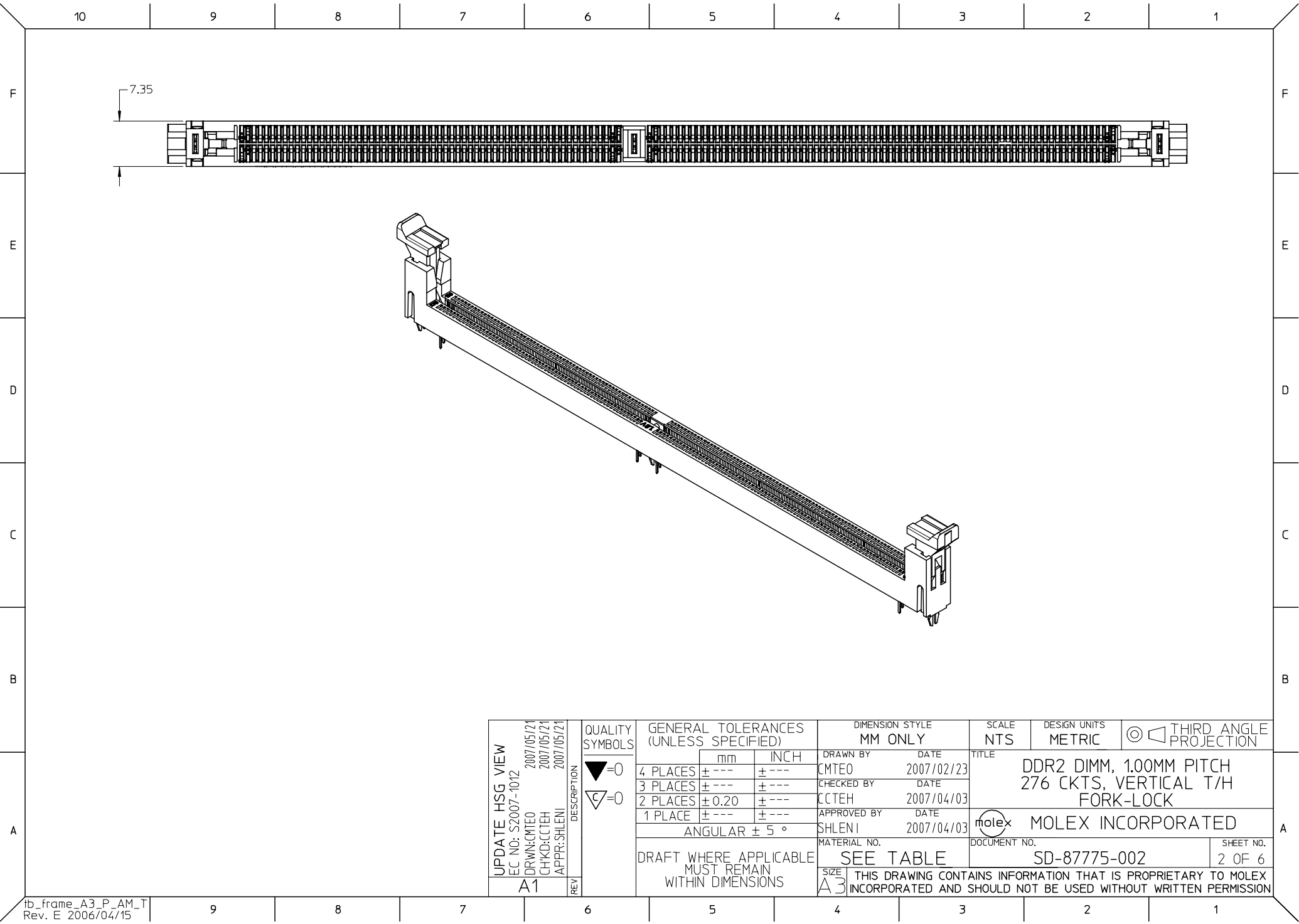
6. PRODUCT IS PACKED IN TRAYS. REFER TO SHEET 6.

7. PRODUCT WILL HAVE DATE STAMPED ON SIDE OF HOUSING.

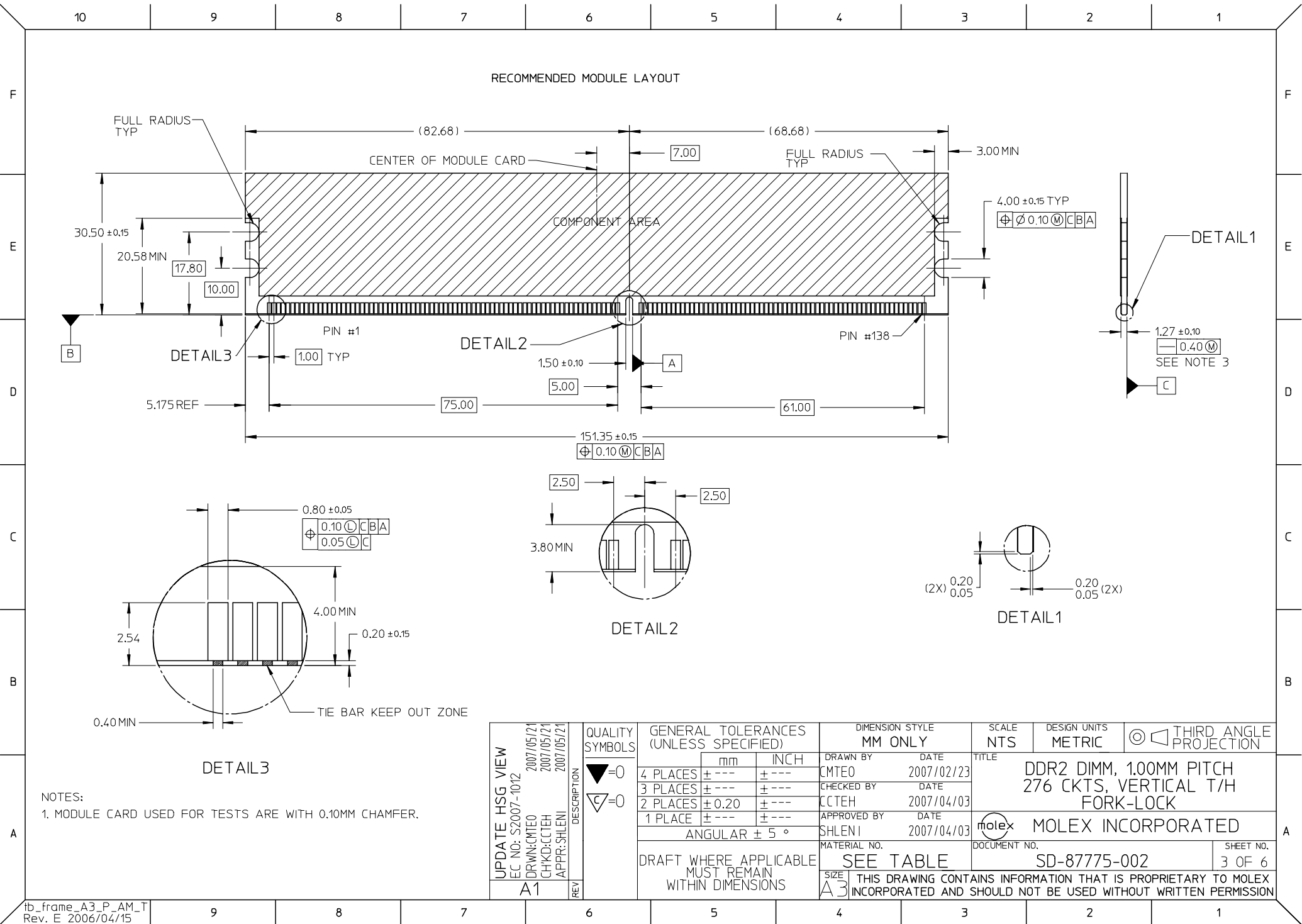
8. THE KEEP OUT AREA IS THE AREA WHERE THE CONNECTOR
IS MOUNTED ONTO THE PCB THAT DOES NOT INCLUDE THE
LATCH.

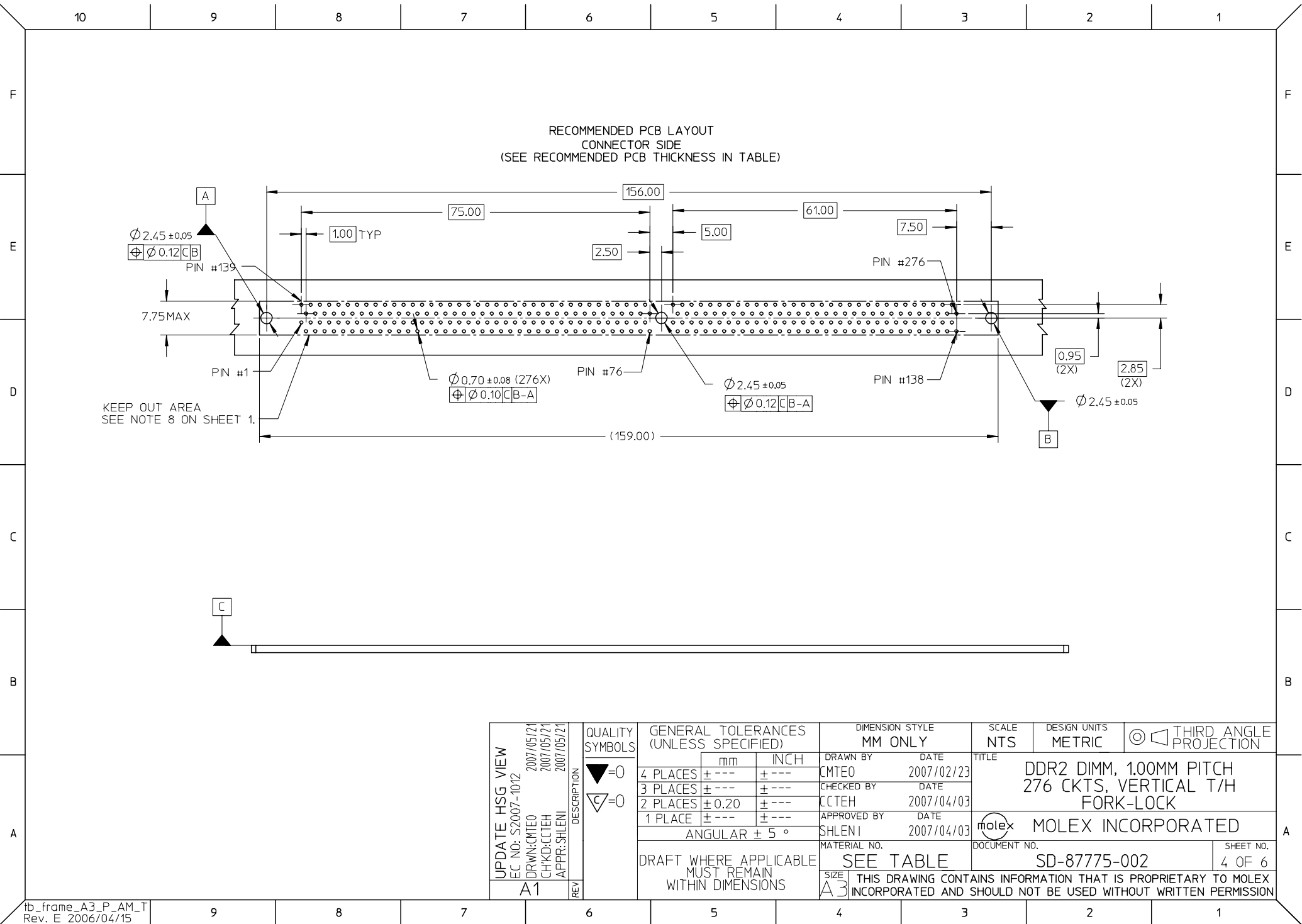
9. DIMM MODULE SEATING PLANE FROM TOP OF PCB.

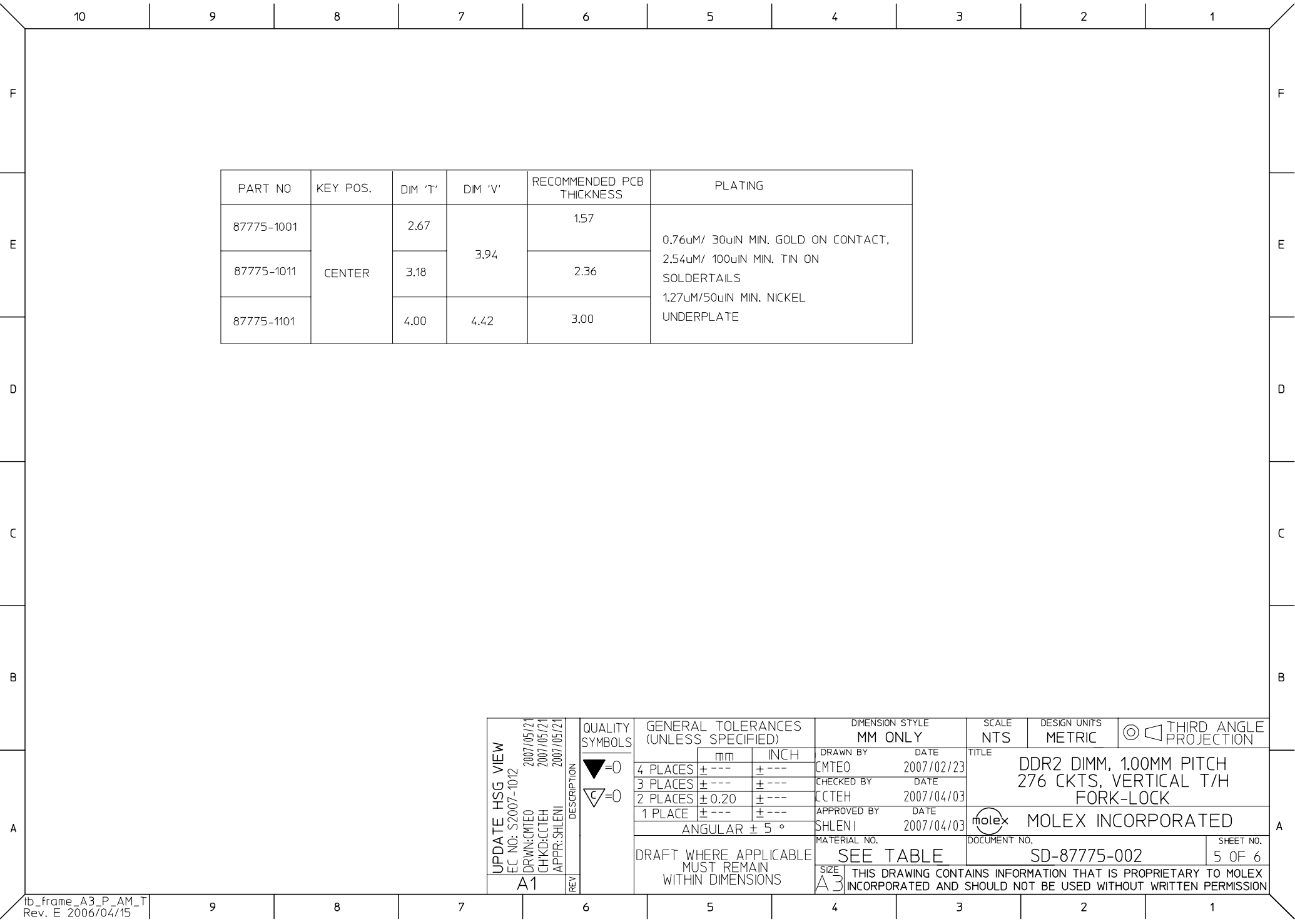
UPDATE HSG VIEW EC NO: S2007-1012 DRWN:CMTEO 2007/05/21 CHKD:CCTEH 2007/05/21 APPR:SHLENI 2007/05/21 A1	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY CMTEO	DATE 2007/02/23	TITLE DDR2 DIMM, 1.00MM PITCH 276 CKTS, VERTICAL T/H FORK-LOCK				
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± ---	CCTEH	2007/04/03					
			2 PLACES	± 0.20	± ---	APPROVED BY	DATE	MOLEX INCORPORATED				
			1 PLACE	± ---	± ---	SHLENI	2007/04/03					
			ANGULAR ± 5 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87775-002		1 OF 6						
SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										



UPDATE HSG VIEW EC NO: S2007-1012 2007/05/21 DRWN:CMTE0 CHKD:CCTEH 2007/05/21 APPR:SHLENI 2007/05/21		DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
						DRAWN BY CMTE0		DATE 2007/02/23		TITLE DDR2 DIMM, 1.00MM PITCH 276 CKTS, VERTICAL T/H FORK-LOCK	
				4 PLACES ± --- ± ---		CHECKED BY CCTEH		DATE 2007/04/03			
				3 PLACES ± --- ± ---		APPROVED BY SHLENI		DATE 2007/04/03			
2 PLACES ± 0.20 ± ---		1 PLACE ± --- ± ---		ANGULAR ± 5 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
A1		REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87775-002		2 OF 6		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

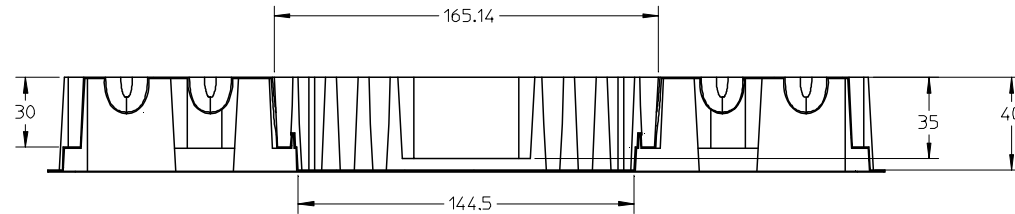
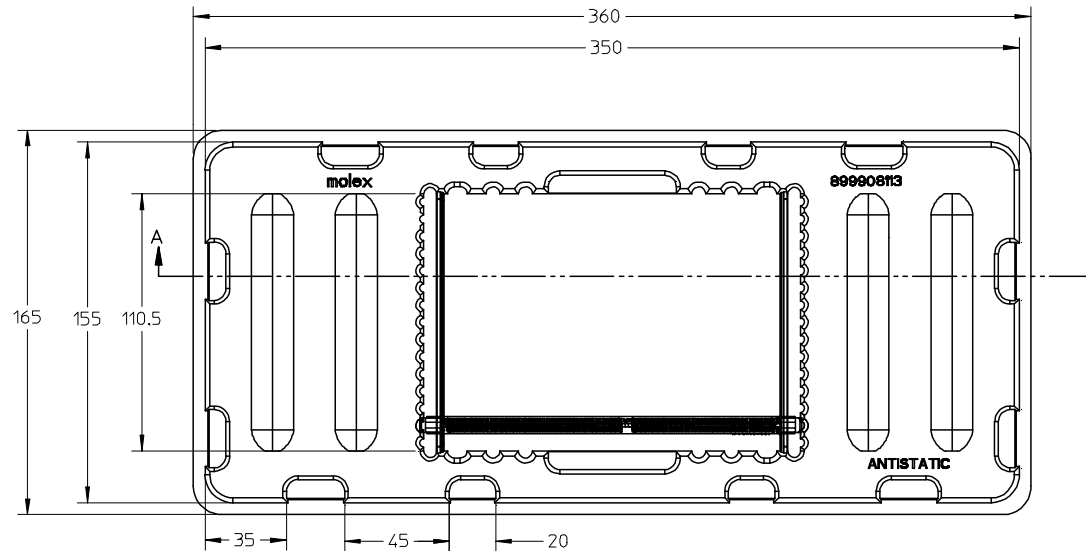






PART NO	KEY POS.	DIM 'T'	DIM 'V'	RECOMMENDED PCB THICKNESS	PLATING
87775-1001	CENTER	2.67	3.94	1.57	0.76μM/ 30μIN MIN. GOLD ON CONTACT, 2.54μM/ 100μIN MIN. TIN ON SOLDERTAILS 1.27μM/50μIN MIN. NICKEL UNDERPLATE
87775-1011		3.18		2.36	
87775-1101		4.00	4.42	3.00	

UPDATE HSG VIEW EC NO: S2007-1012 DRWN:CMTEO 2007/05/21 CHKD:CCTEH 2007/05/21 APPR:SHLENI 2007/05/21 A1	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY	DATE	TITLE				
			4 PLACES	± ---	± ---	CMTEO	2007/02/23	DDR2 DIMM, 1.00MM PITCH				
			3 PLACES	± ---	± ---	CHECKED BY	DATE	276 CKTS, VERTICAL T/H				
			2 PLACES	± 0.20	± ---	CCTEH	2007/04/03	FORK-LOCK				
			1 PLACE	± ---	± ---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED				
			ANGULAR ± 5 °		SHLENI	2007/04/03						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
						SEE TABLE		SD-87775-002		5 OF 6		
						SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



SECTION A-A

NOTE:

1. CAVITY QTY : 1 X 15 = 15PCS.

UPDATE HSG VIEW EC NO: S2007-1012 DRWN:CMTEO 2007/05/21 CHKD:CCTEH 2007/05/21 APPR:SHLENI 2007/05/21		DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
						DRAWN BY DATE		TITLE DDR2 DIMM, 1.00MM PITCH 276 CKTS, VERTICAL T/H FORK-LOCK			
						CHECKED BY DATE					
						CCTEH 2007/04/03		APPROVED BY DATE		MOLEX INCORPORATED	
		SHLENI 2007/04/03		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
A1		REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87775-002		6 OF 6	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											