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Part Number:

0877465311

Status:

Active

Description:

1.00mm (.039") Pitch DDR-II DIMM Socket, Vertical, Press-fit, 1.8V Center Keys, 3.30mm (.130") Tail Length, Clear Latches, 240 Circuits, 0.76µm(30µ") Selective Gold(Au) Plating, Lead-free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-87746-002 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family	Memory Module Sockets
Series	87746
Comments	Latches in Clear
Component Type	Socket
JEDEC Outline	MO-237
Product Name	DDR2 DIMM

Physical

Circuits (Loaded)	240
Color - Resin	Black, Natural
Durability (mating cycles max)	25
Entry Angle	Vertical (Top Entry)
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic, Polysulfone
PC Tail Length (in)	0.130 In
PC Tail Length (mm)	3.30 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.140 In
PCB Thickness Recommended (mm)	3.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.039 In
Pitch - Mating Interface (mm)	1.00 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	15
Plating min: Termination (µm)	0.38
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Through Hole - Compliant Pin

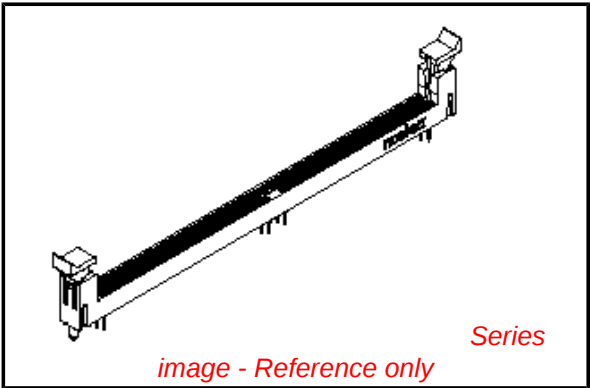
Electrical

Current - Maximum per Contact	0.5A
Voltage - Maximum	30V
Voltage Key	1.8V, Center

Material Info

Reference - Drawing Numbers

Product Specification	PS-87746-002
Sales Drawing	SD-87746-001



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

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

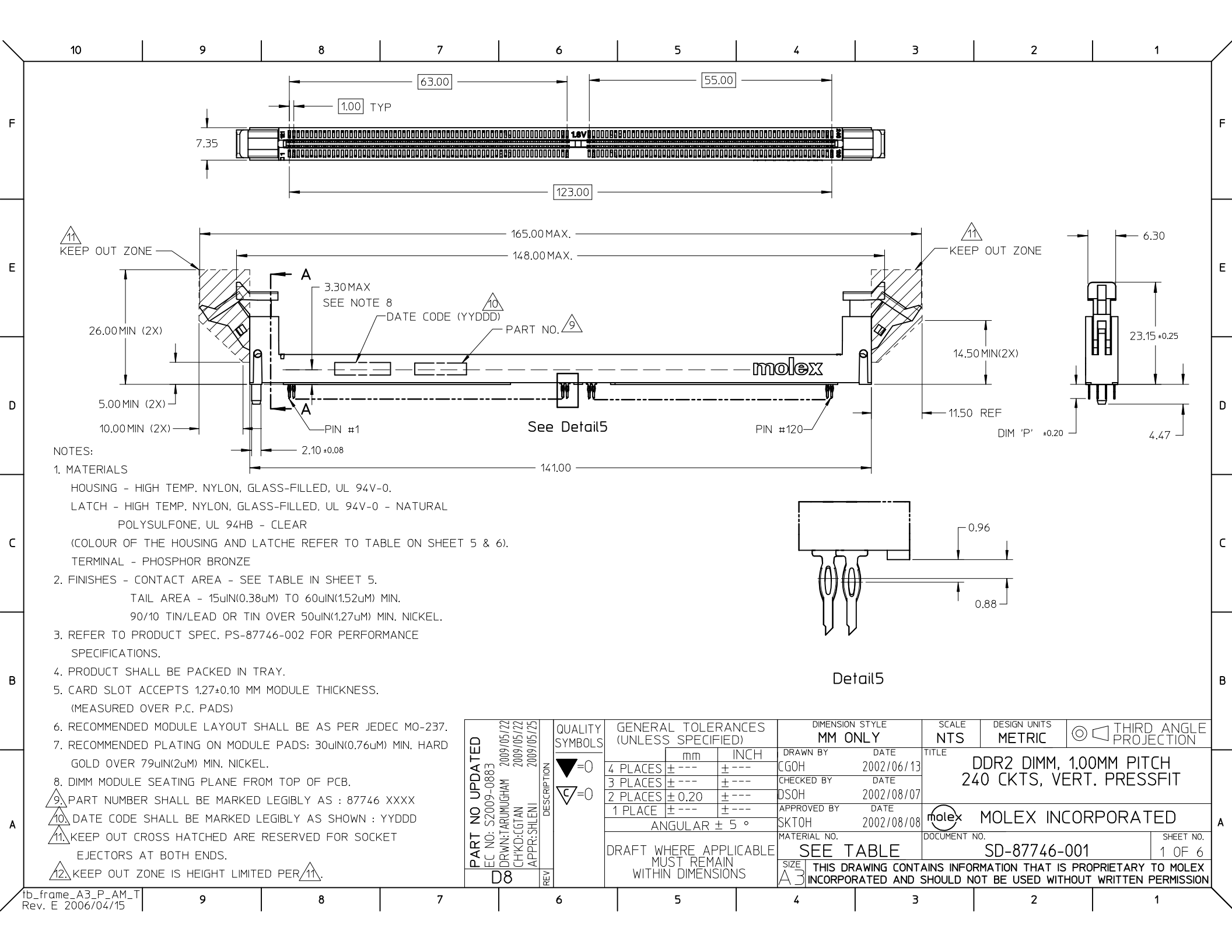
87746Series

Mates With

JEDEC standard 1.27mm modules

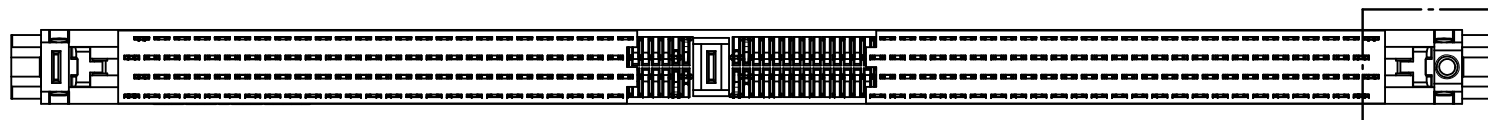
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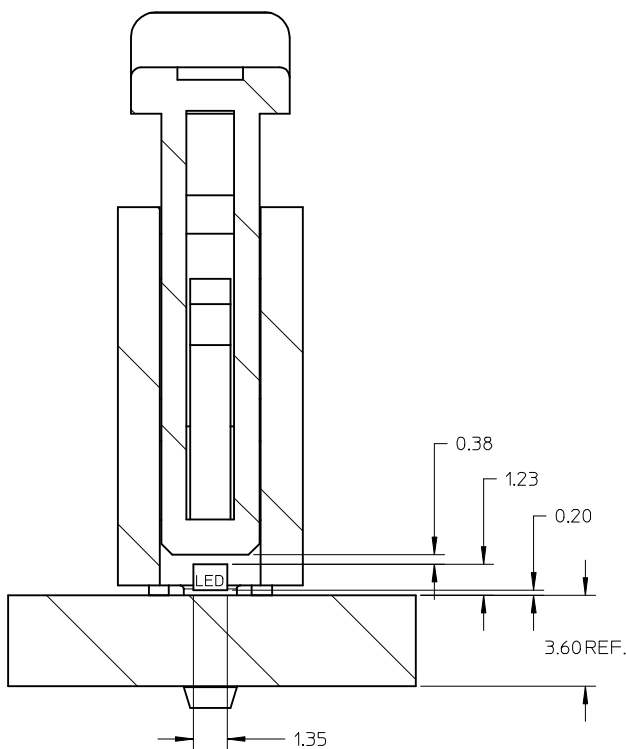


PART NO UPDATED EC NO: S2009-0883 DRWN: TARUUGHAM CHKD: CGTAN APPR: SILENI	REV D8	DESCRIPTION 2009/05/22 2009/05/22 2009/05/25	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm	INCH	DRAWN BY CGOH	DATE 2002/06/13	TITLE DDR2 DIMM, 1.00MM PITCH 240 CKTS, VERT. PRESSFIT				
					±---	±---	CHECKED BY	DATE					
					±0.20	±---	DSOH	2002/08/07					
					±---	±---	APPROVED BY	DATE	MOLEX INCORPORATED				
				ANGULAR ± 5 °		SKTOH	2002/08/08						
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.					SHEET NO.
						SEE TABLE		SD-87746-001		1 OF 6			
						SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

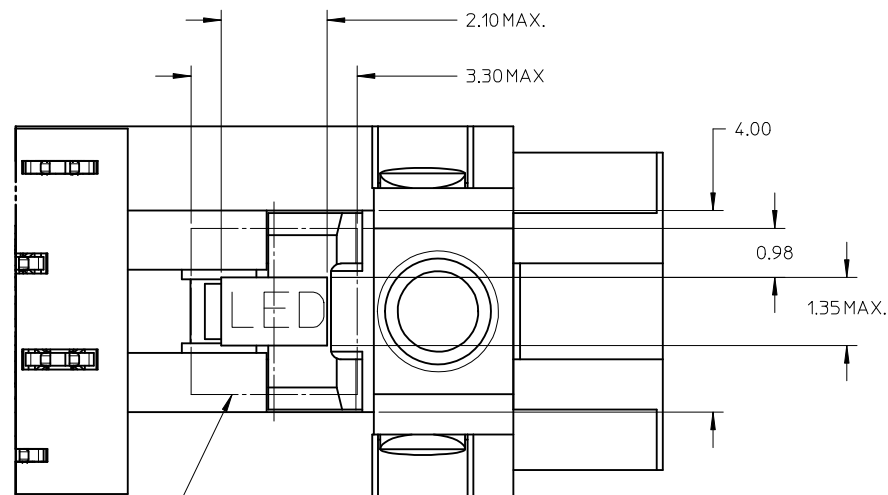
10 9 8 7 6 5 4 3 2 1



Detail3



SECTION A-A



LED PLACEMENT AREA

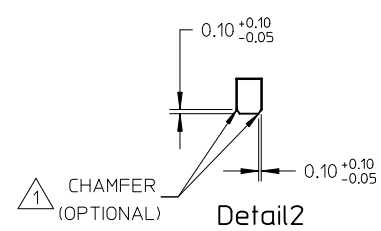
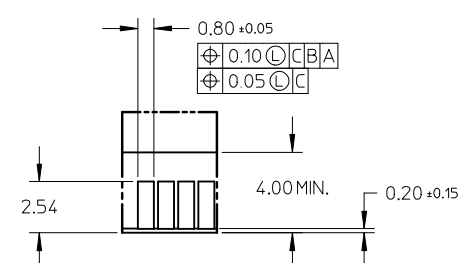
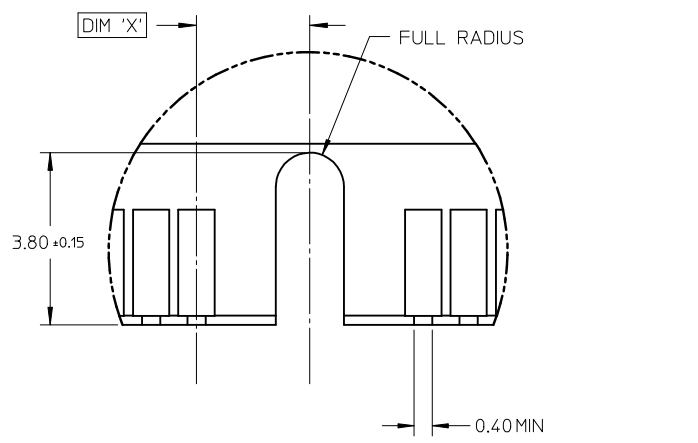
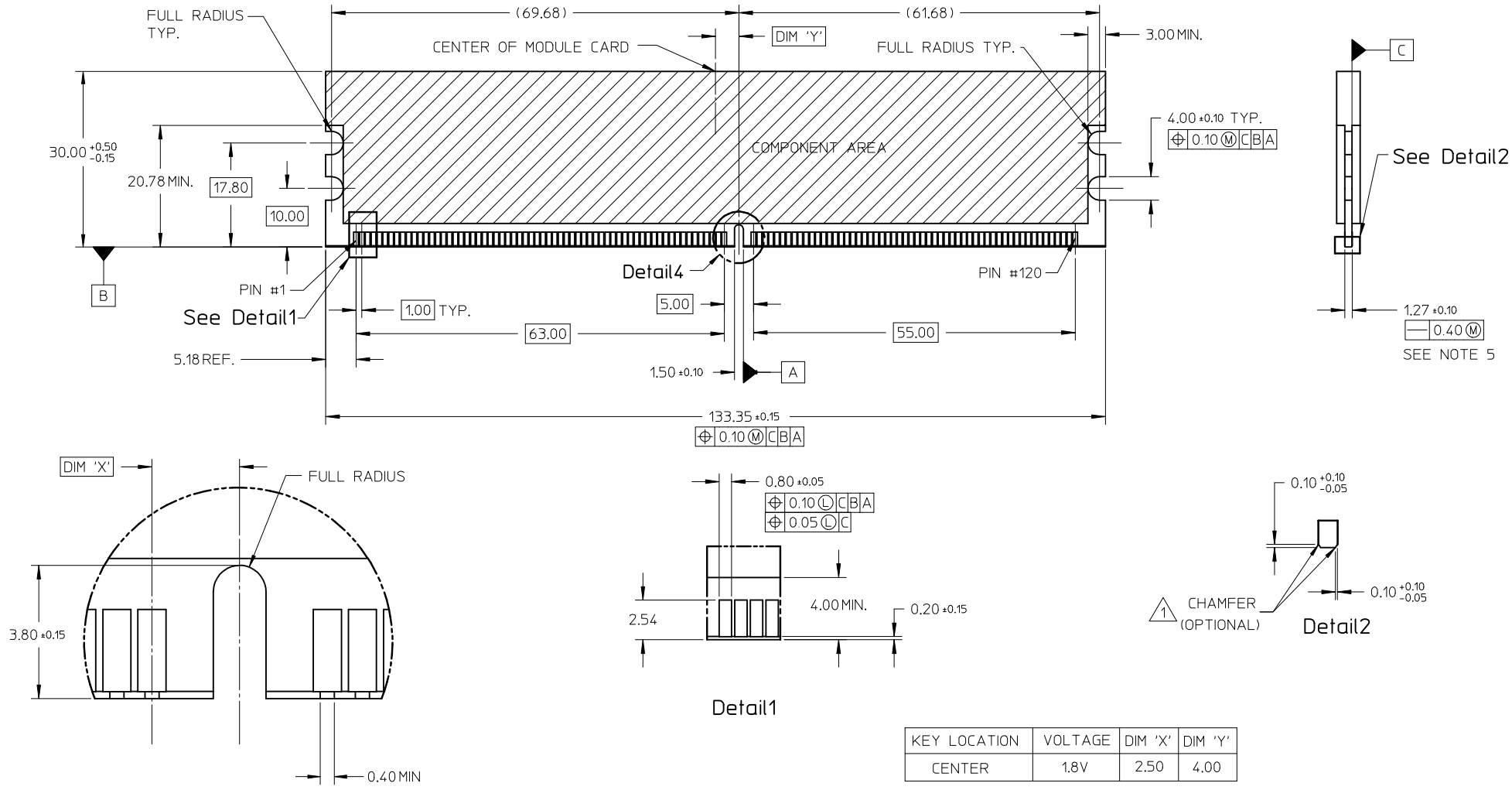
Detail3

PART NO UPDATED EC NO: S2009-0883 DRWN: TARUMUGHAM CHKD: CGTAN APPR: SLENI	REV D8	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				4 PLACES	mm	INCH	DRAWN BY CGOH	DATE 2002/06/13	TITLE DDR2 DIMM, 1.00MM PITCH 240 CKTS, VERT. PRESSFIT			
					± ---	± ---	CHECKED BY	DATE				
					3 PLACES	± ---	± ---	DSOH	2002/08/07			
					2 PLACES	± 0.20	± ---	APPROVED BY	DATE			
					1 PLACE	± ---	± ---	SKTOH	2002/08/08		MOLEX	MOLEX INCORPORATED
				ANGULAR ± 5 °			MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-87746-001		2 OF 6	
SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

9 8 7 6 5 4 3 2 1

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RECOMMENDED MODULE LAYOUT



KEY LOCATION	VOLTAGE	DIM 'X'	DIM 'Y'
CENTER	1.8V	2.50	4.00

NOTES :
1 MODULE CARD USED IN PRODUCT TESTING ARE CHAMFERED.

PART NO UPDATED EC NO: S2009-0883 DRWN: TARUMUGHAM CHKD: CGTAN APPR: SILENI D8	DESCRIPTION D8	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY CGOH	DATE 2002/06/13	TITLE DDR2 DIMM, 100MM PITCH 240 CKTS, VERT. PRESSFIT					
			4 PLACES	±---	±---	CHECKED BY DSOH	DATE 2002/08/07						
			3 PLACES	±---	±---	APPROVED BY SKTOH		DATE 2002/08/08	MOLEX INCORPORATED				
			2 PLACES	±0.20	±---								
1 PLACE	±---	±---	MATERIAL NO.		DOCUMENT NO.	SHEET NO.							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-87746-001		3 OF 6						
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9 8 7 6 5 4 3 2 1

