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Part Number: [0878251001](#)
Status: **Active**
Description: 1.27mm (.050") Pitch DDR DIMM Socket, 25 Degree Angle, Through Hole, 2.5V Right Voltage Keys, 2.79mm(.110") Tail Length, 100 Circuits, 0.38µm (15µ") Selective Gold(Au) Plating, Lead-free

Documents:
[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

CSA 19980
UL E29179

General

Product Family Memory Module Sockets
Series [87825](#)
Comments Latches in Biege ColorPeg Length at 3.18mm (.125")
Component Type Memory Module
JEDEC Outline MO-161
Product Name DDR DIMM

Physical

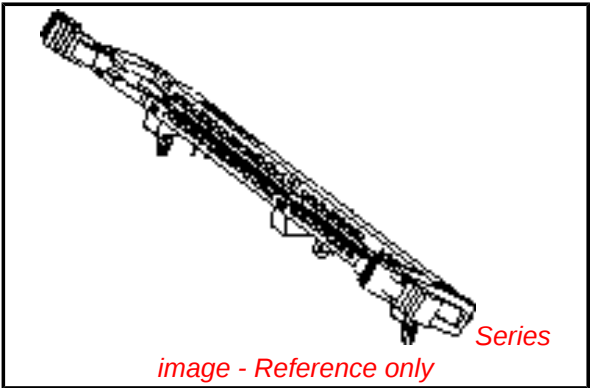
Circuits (Loaded) 100
Color - Resin Black, Natural
Durability (mating cycles max) 25
Entry Angle 25° Angle
Flammability 94V-0
Keying to Mating Part Yes
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
PC Tail Length (in) 0.110 In
PC Tail Length (mm) 2.79 mm
PCB Locator Yes
PCB Retention Yes
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tray
Pitch - Mating Interface (in) 0.050 In
Pitch - Mating Interface (mm) 1.27 mm
Plating min: Mating (µin) 15, 15.2
Plating min: Mating (µm) 0.38
Plating min: Termination (µin) 100, 101.6
Plating min: Termination (µm) 2.54
Temperature Range - Operating -40°C to +85°C
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 1A
Voltage - Maximum 50V
Voltage Key 2.5V, Right

Solder Process Data

Duration at Max. Process Temperature (seconds) 10



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Halogen-Free



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
[87825Series](#)

Mates With
JEDEC MO-161 modules

Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	265

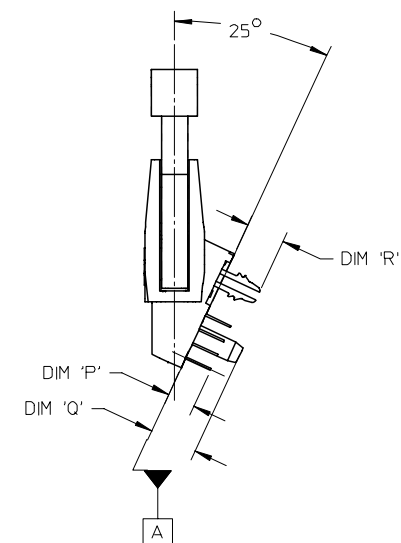
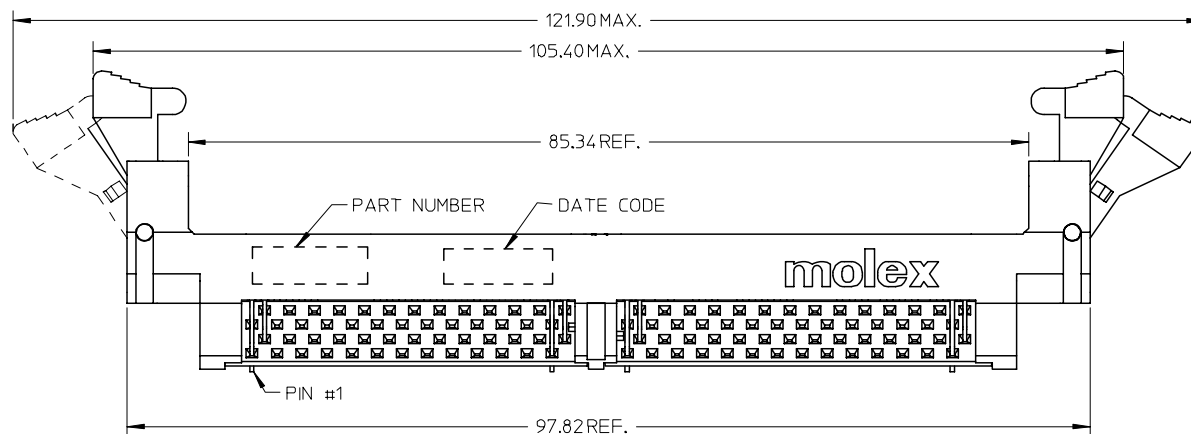
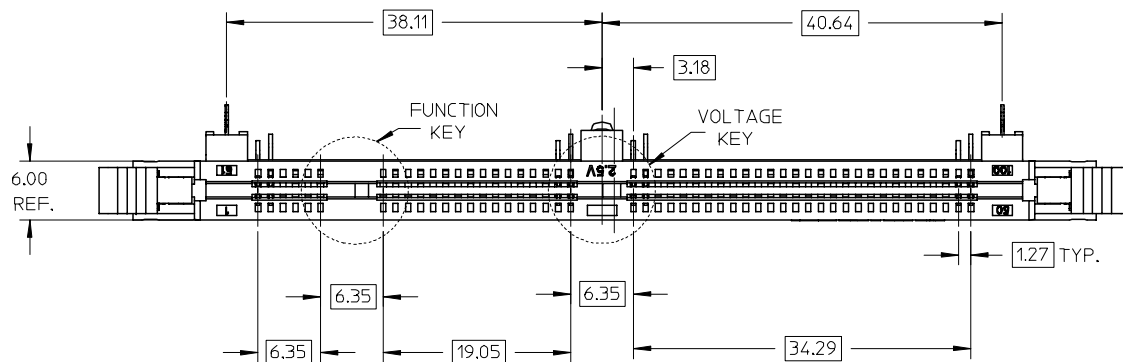
Material Info

Reference - Drawing Numbers

Sales Drawing	SD-87825-001
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This document was generated on 04/13/2010

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NOTES:

1. MATERIALS: HOUSING AND BASEPLATE - LCP, GLASS FILLED,
UL 94V-0, COLOR: BLACK
LATCH - HIGH TEMP NYLON, GLASS FILLED,
UL 94V-0, COLOR : BEIGE
TERMINAL AND FORKLICK - COPPER ALLOY
2. FINISHES: CONTACT AREA: SEE TABLE IN SHEET 4
SOLDERTAILS: 2.54uM/100u" MIN. TIN
3. SEE PRODUCT SPECIFICATIONS: PS-87825-002 FOR
PERFORMANCE SPECIFICATIONS
4. DATE CODE SHALL BE MARKED LEGIBLY AS SHOWN: YY DDD
5. PART NUMBER SHALL BE MARKED LEGIBLY AS SHOWN: 87825-XXXX

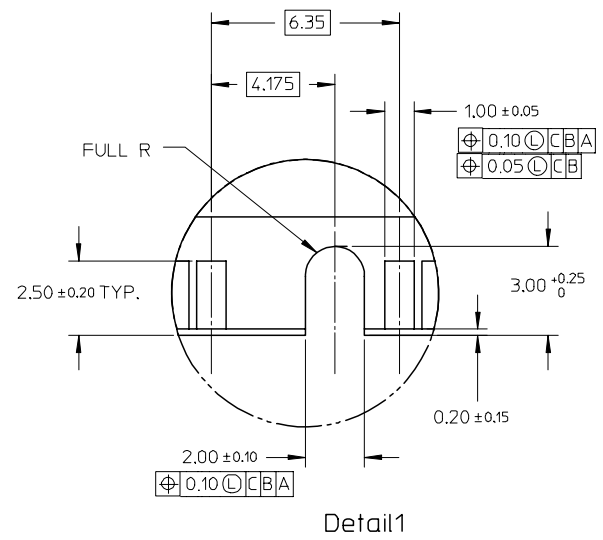
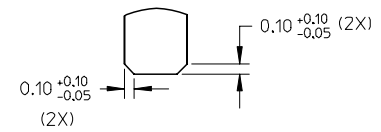
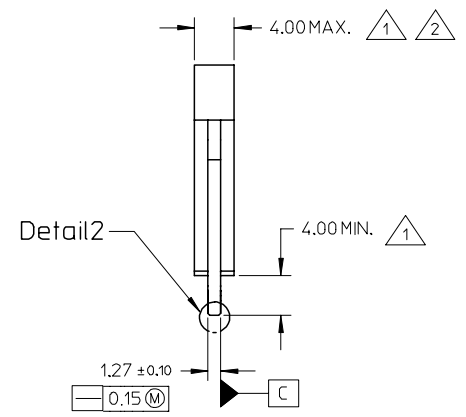
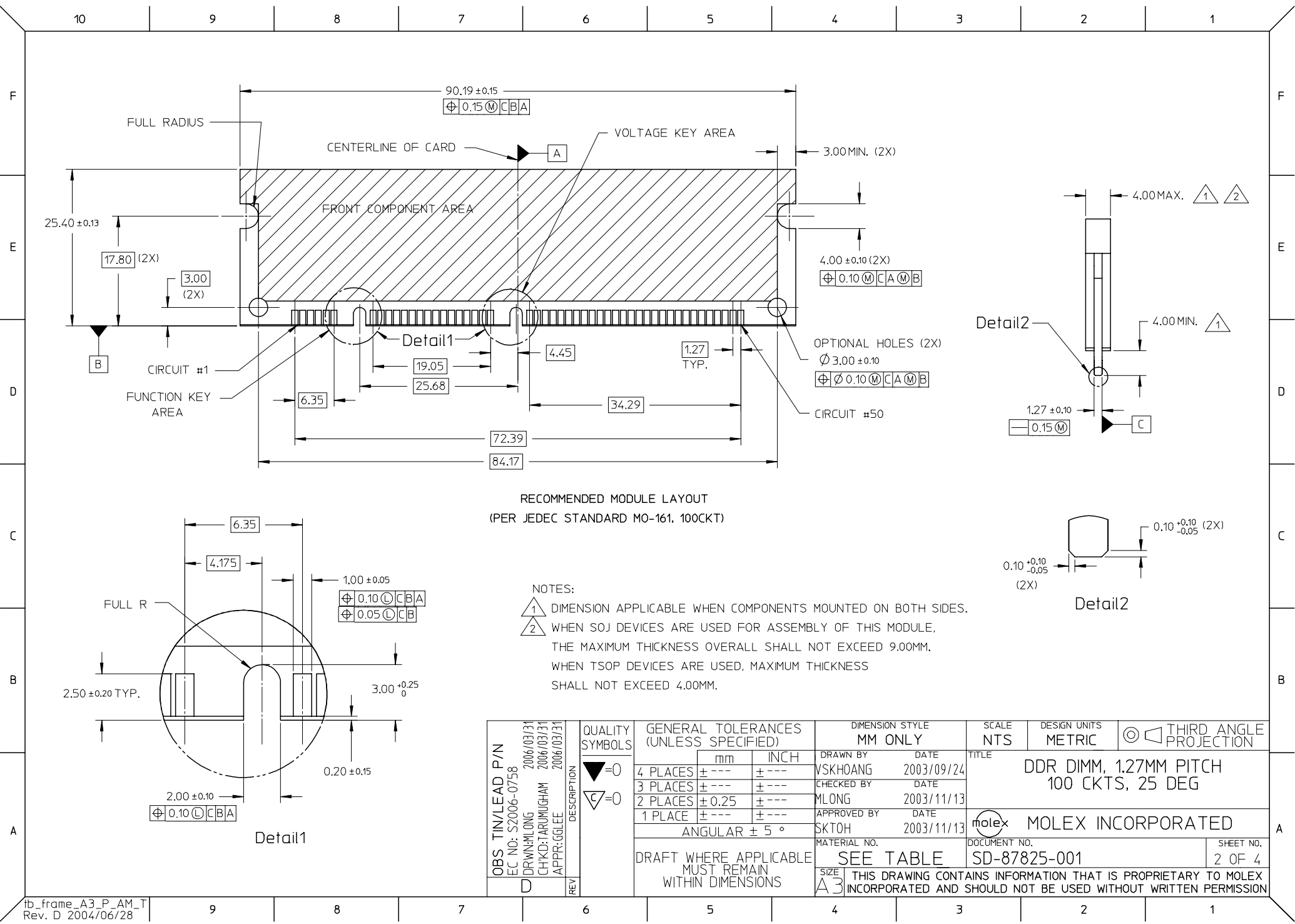
OBS EC NO: S2006-0758 DRWN:MLONG CHKD:ARUMUGHAM APPR:GGLLEE	P/N 2006/03/31 2006/03/31 2006/03/31	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0

QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY	DRAWN BY VSKHOANG	DATE 2003/09/24

SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	MATERIAL NO. SKT0H	DATE 2003/11/13

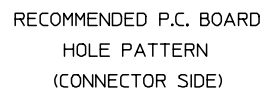
SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE DDR DIMM, 1.27MM PITCH 100 CKTS, 25 DEG



RECOMMENDED MODULE LAYOUT
(PER JEDEC STANDARD MO-161, 100CKT)

- NOTES:
- 1 DIMENSION APPLICABLE WHEN COMPONENTS MOUNTED ON BOTH SIDES.
 - 2 WHEN SOJ DEVICES ARE USED FOR ASSEMBLY OF THIS MODULE, THE MAXIMUM THICKNESS OVERALL SHALL NOT EXCEED 9.00MM. WHEN TSOP DEVICES ARE USED, MAXIMUM THICKNESS SHALL NOT EXCEED 4.00MM.

OBS TIN/LEAD P/N EC NO: S2006-0758 DRWN:MLONG 2006/03/31 CHKD:ARUMUGHAM 2006/03/31 APPR:GGLLEE 2006/03/31	DESCRIPTION	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 ANGULAR ± 5 °	mm	INCH	DRAWN BY VSKHOANG	DATE 2003/09/24	TITLE DDR DIMM, 1.27MM PITCH 100 CKTS, 25 DEG		
				± ---	± ---	CHECKED BY	DATE			
				± ---	± ---	MLONG	2003/11/13			
				± 0.25	± ---	APPROVED BY	DATE			
				± ---	± ---	SKTOH	2003/11/13			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.	MOLEX MOLEX INCORPORATED			
						SEE TABLE	DOCUMENT NO. SD-87825-001	SHEET NO. 2 OF 4		
						SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
				REV						



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Rev. D 2004/06/28

