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Part Number: [0876550004](#)
Status: **Active**
Description: 1.27mm (.050") Pitch DDR DIMM Socket, Right Angle, Single Key, with Beveled Metal Pin and Plastic Pegs, 184 Circuits, 0.38µm (15µ") Gold (Au) Plating, 2.79mm (.110) Tail Length, Leadfree

Documents:

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

General

Product Family	Memory Module Sockets
Series	87655
Component Type	Memory Module
JEDEC Outline	MO-206
Product Name	DDR DIMM

Physical

Circuits (Loaded)	184
Color - Resin	Black, Natural
Durability (mating cycles max)	25
Entry Angle	90° Angle (Side Entry)
Keying to Mating Part	Yes
Material - Metal	Brass, High Performance Alloy (HPA)
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)	15.2
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	101.6
Plating min: Termination (µm)	2.54
Temperature Range - Operating	-10°C to +85°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	125V
Voltage Key	2.5V, Left

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	240

Material Info

Reference - Drawing Numbers

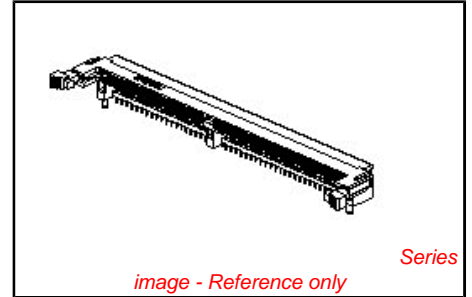


image - Reference only

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
 Not Reviewed
Halogen-Free
Status

China RoHS



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](#)

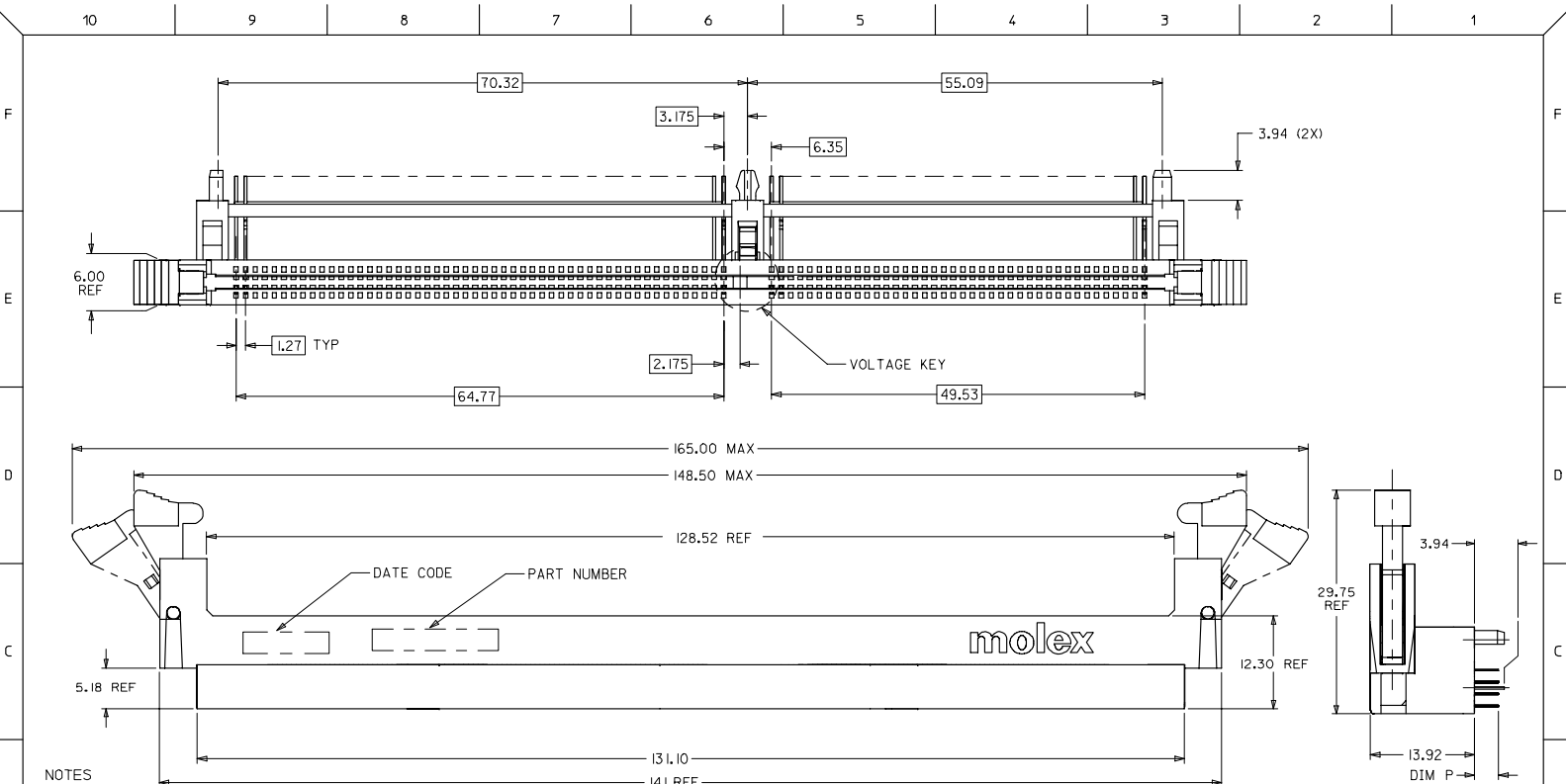
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[87655Series](#)

Mates With
 JEDEC standard 1.27mm modules

This document was generated on 04/09/2010

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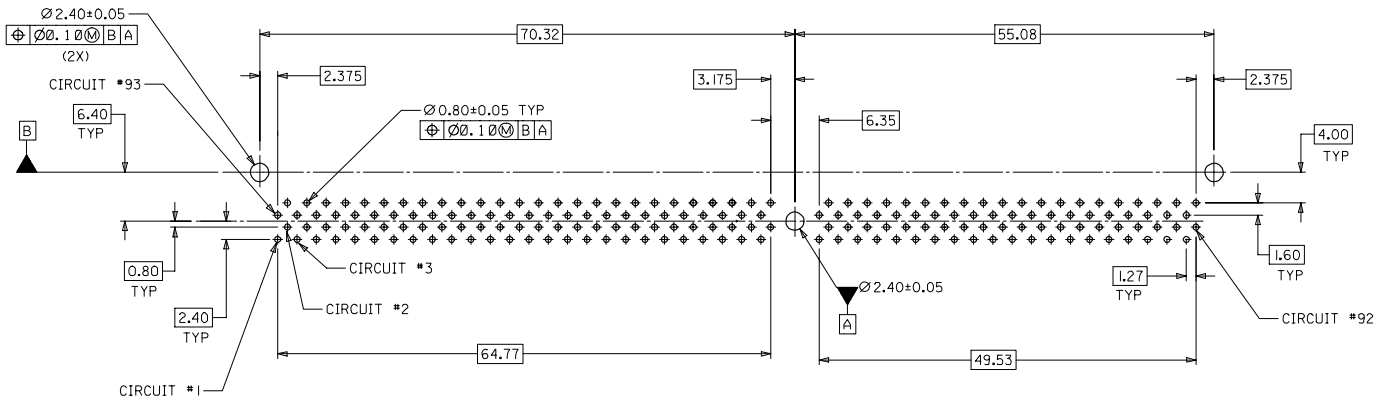


- NOTES
- MATERIALS:
HOUSING AND BASEPLATE - HIGH TEMP LCP GLASS FILLED, UL 94V-0
COLOR: BLACK
EJECTORS - HIGH TEMP NYLON GLASS FILLED, UL 94V-0
COLOR: NATURAL (OFF WHITE)
TERMINALS AND FORKLOCK - COPPER ALLOY
 - FINISHES: CONTACT AREA: SEE TABLE
SOLDER TAIL: 2.54mm/100µMIN. TIN
UNDERPLATE: 1.27mm/50µ IN. NICKEL
 - PRODUCT SPECIFICATIONS: PS-87609-002 FOR PERFORMANCE SPECIFICATIONS.
 - DATE CODE SHALL BE MARKED LEGIBLY AS SHOWN: XX XX
YEAR WEEK
 - PART NUMBER SHALL BE MARKED LEGIBLY AS SHOWN: 87655-0XXX
REFER TO TABLE

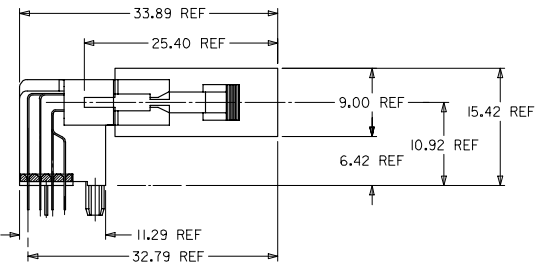
OBS: TIN/LEAD P/N EC NO: S2006-0746 DRAWN BY: 2006/02/27 CHKD: HHO APPR: GLEE REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION																
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		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE	DRAWN BY: MLONG DATE: 2000/12/21 CHECKED BY: SQUEK DATE: 2000/12/29 APPROVED BY: SKTOH DATE: 2000/12/29	TITLE: DDR DIMM, 1.27MM PITCH 184 CKTS, R/A MOLEX INCORPORATED																		
				MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-87655-001	SHEET NO. 1 OF 3																	
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			

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CONTACT AREA	PART NUMBER	VOLTAGE KEY	TAIL LENGTH P±0.25	RECOMMENDED PCB THICKNESS
0.38µm/15µ" MIN. GOLD	87655-0004	LEFT (2.5V)	2.79	1.57
	87655-0005		3.18	
0.76µm/30µ" MIN. GOLD	87655-0007		2.79	



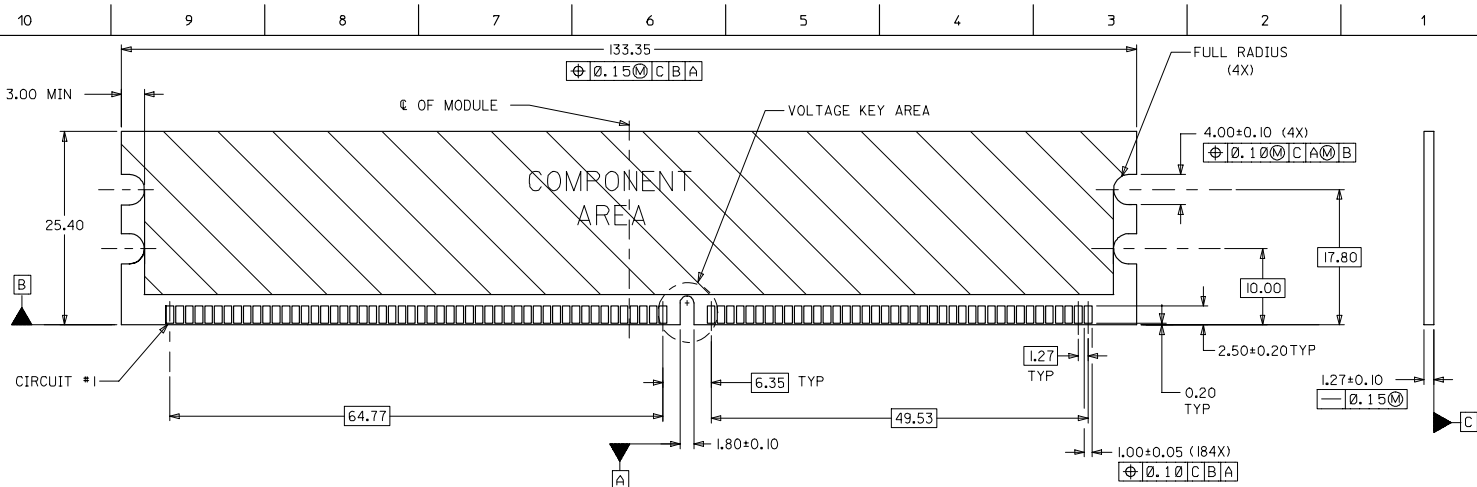
RECOMMENDED
P.C. BOARD HOLE PATTERN
(CONNECTOR SIDE)



ACTUAL MODULE HEIGHT AND CLEARANCE
WHEN USING A 9.00MM THICK BY 25.40MM HEIGHT
MODULE (TYPICAL SOJ PACKAGING).

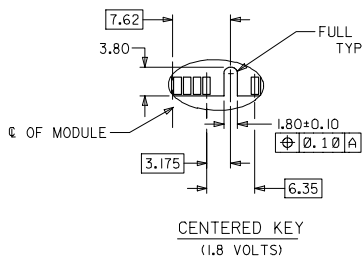
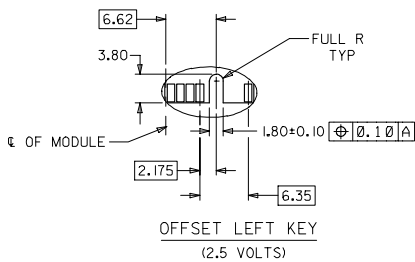
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RECOMMENDED MODULE LAYOUT
 (PER JEDEC STANDARD MO-206, 184 CKT.)
 UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE FOR MODULE = ± 0.13

VOLTAGE KEY AREA OPTIONS



OBS: TIN/LEAD P/N EC NO. S2006-0746 DRAWN: LONG CHKD: HHO APPR: GLEE	DESCRIPTION 2006/02/27 2006/02/28 2006/02/28	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
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SQUEK		2000/12/29					SD-87655-001	3 OF 3	
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE		A3					