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Part Number: [0480061102](#)
Status: **Active**
Description: 1.27mm (.050") Pitch DDR DIMM Socket, Vertical, Brass Latch, Black Housing, Phosphor Bronze Terminals, Single Key, with Beveled Metal Pins, 2.5V Voltage Key, 2.79mm (.110") Tail Length, 0.38µm (15µ") Gold (Au) Plating, 184 Circuits, Leadfree

Documents:
[3D Model](#) [Product Specification PS-48006-002 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General
Product Family Memory Module Sockets
Series [48006](#)
Component Type Socket
JEDEC Outline MO-206
Product Name DDR DIMM

Physical
Circuits (Loaded) 184
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
PC Tail Length (in) 0.110 In
PC Tail Length (mm) 2.79 mm
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
Temperature Range - Operating -40°C to +85°C
Termination Interface: Style Through Hole

Electrical
Current - Maximum per Contact 0.5A
Voltage - Maximum 30V
Voltage Key 2.5

Material Info

Reference - Drawing Numbers
Product Specification PS-48006-002
Sales Drawing SD-48006-002



image - Reference only

Series

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
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
[48006Series](#)

Mates With
JEDEC MO-206 modules

F

E

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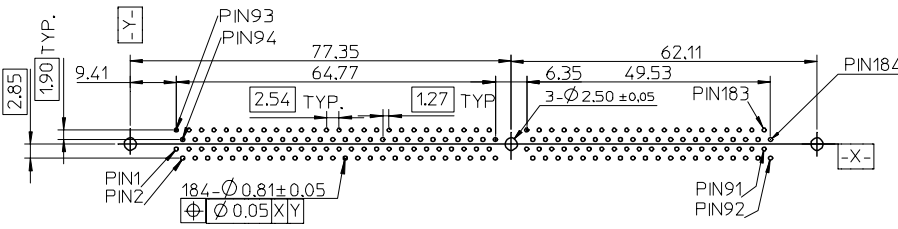
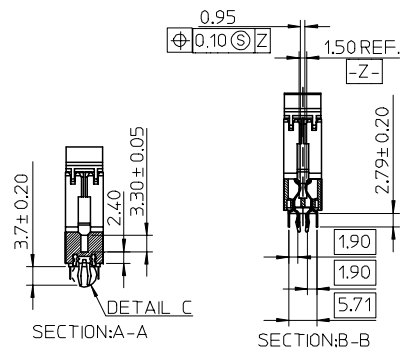
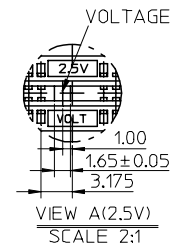
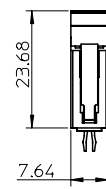
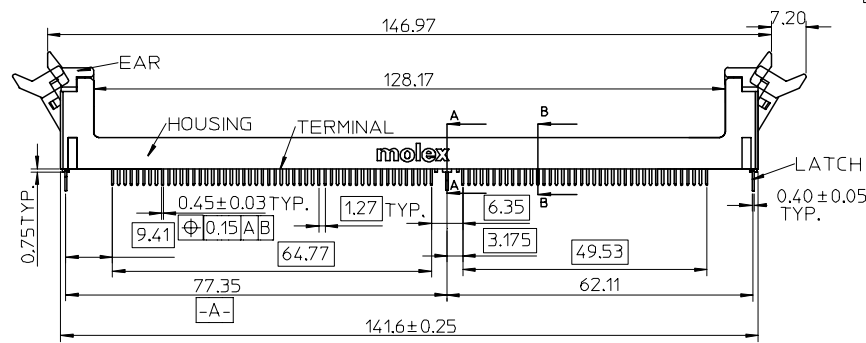
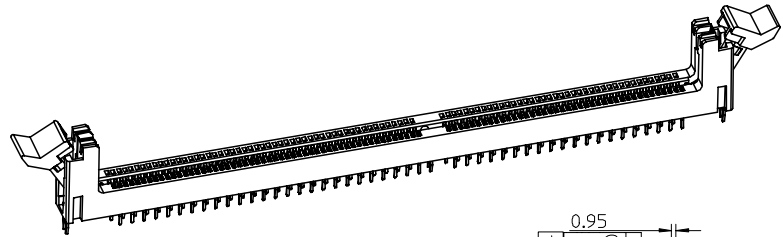
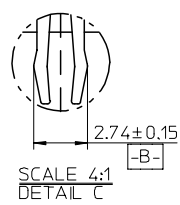
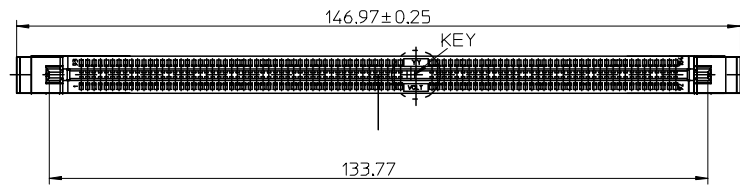
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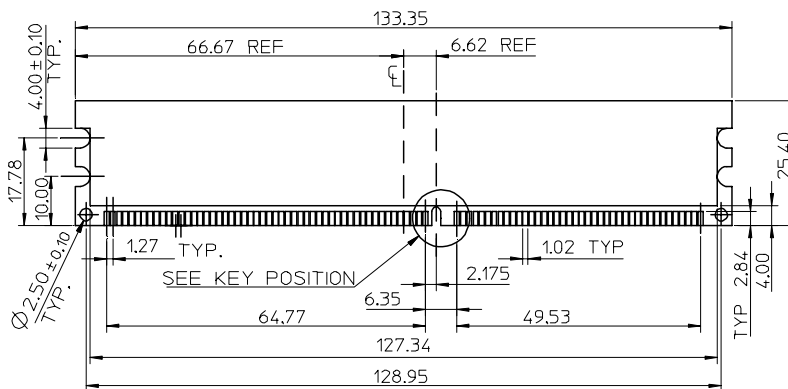
NOTES:
1.MATERIALS: HOUSING-POLYAMIDE, GLASS FIBER FILLED, UL94V-0, COLOR: SEE TABLE.
EAR-POLYAMIDE, GLASS FIBER FILLED, UL94V-0, COLOR: WHITE.
TERMINAL-1. PHOSPHOR BRONZE
2. BRASS
LATCH-BRASS
2.FINISHES: TERMINAL:
GOLD PLATED IN CONTACT AREA (SEE TABLE),
TIN ALLOY IN THE SOLDER AREA;
THICKNESS=150 MICRONCH MINIMUM,
UNDER PLATED: NICKEL (Ni)
THICKNESS=50 MICRONCH MINIMUM,
LATCH:
TIN PLATED ALL OVER,
THICKNESS=100 MICRONCH MINIMUM,
UNDER PLATED: NICKEL (Ni)
THICKNESS=50 MICRONCH MINIMUM,
3.RECOMMENDED PCB THICKNESS: 1.60±0.05MM
4.PRODUCT SPECIFICATION: REFER TO PS-48006-002
5.TEST SUMMARY: REFER TO TS-48006-002
6.PACKAGING: REFER TO PK-48006-002
7.LEAD-FREE AND ROHS COMPLIANCE

RECOMMENDED PCB HOLE LAYOUT
(TOLERANCE ±0.05MM)

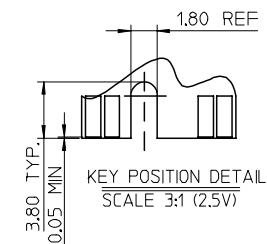
48006-1102	15 MICROINCH	PHOSPHOR BRONZE	2.5V	BLACK
48006-2102	15 MICROINCH			BLUE 2945C
48006-5101	GOLD FLASH			YELLOW 115U
48006-4101	GOLD FLASH			LAVENDER 2736U
48006-3101	GOLD FLASH			GREEN 3258U-3268U
48006-2101	GOLD FLASH			BLUE 2945C
48006-1101	GOLD FLASH	BRASS	2.5V	BLACK
48006-2112	15 MICROINCH			BLUE 2945C
48006-1112	15 MICROINCH			BLACK
48006-5111	GOLD FLASH			YELLOW 115U
48006-4111	GOLD FLASH			LAVENDER 2736U
48006-3111	GOLD FLASH			GREEN 3258U-3268U
48006-2111	GOLD FLASH			BLUE 2945C
48006-1111	GOLD FLASH			BLACK
MOLEX P/N	CONTACT PLATING	MATERIAL	POWER SUPPLY	COLOR

L/F FOR 48006 EC NO: SH2005-0376 DRWN: JCHEN12 CHKD: 2005/08/04 APPR: WWSCHANG 2005/08/04	DESCRIPTION	QUALITY SYMBOLS
		▽=0
		▽C=0
		REV

GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
	mm	INCH	DRAWN BY JIANG		DATE 2005/04/13		TITLE 1.27MM PITCH DDR DIMM SINGLE KEY 2.5V 184CKTS (LEAD-FREE VERSION)		
4 PLACES	± ---	± ---	CHECKED BY		DATE				
3 PLACES	± ---	± ---	ERIC KAO		2005/04/13				
2 PLACES	± 0.25	± ---	APPROVED BY		DATE				
1 PLACE	± 0.25	± ---	WSCHANG		2005/04/13		molex MOLEX INCORPORATED		
ANGULAR ± 3 °			MATERIAL NO.		DOCUMENT NO.			SHEET NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-48006-002			1 OF 2	
			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



PLUG COMPONENT:DDR 184P FUNC. CARD



NOTE:
SEE JEDEC SPEC M0-206 FOR COMPLETE MODULE
DETAILS 1.27±0.10 THICK ACROSS CONTACT RADS

SEE SHEET 1 EC NO: SH2005-0376 DRWN: JCHEN12 CHKD: APPR: WWSCHANG	2005/08/02 2005/08/04 2005/08/04	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY JIANG	DATE 2005/04/13	TITLE 1.27MM PITCH DDR DIMM SINGLE KEY 2.5V 184CKTS (LEAD-FREE VERSION)			
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							APPROVED BY WSCHANG	DATE 2005/04/13	 MOLEX INCORPORATED			
							MATERIAL NO. SEE TABLE					
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