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**Part Number:** [78321-0012](#)  
**Status:** **Active**  
**Description:** 1.00mm Pitch DDR3 DIMM Socket, LLCR, Vertical, Through Hole, with Beveled Metal Pins, Black Housing and Latches, 0.76µm Gold (Au) Plating, 3.18mm Solder Tail Length, 2.36mm PCB Thickness, 240 Circuits, Lead-Free

**Documents:**

[3D Model](#) [Product Specification PS-78321-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Memory Module Sockets  
 Series [78321](#)  
 Component Type Socket  
 JEDEC Outline MO-269  
 Product Name DDR3 DIMM  
 UPC 883906020989

**Physical**

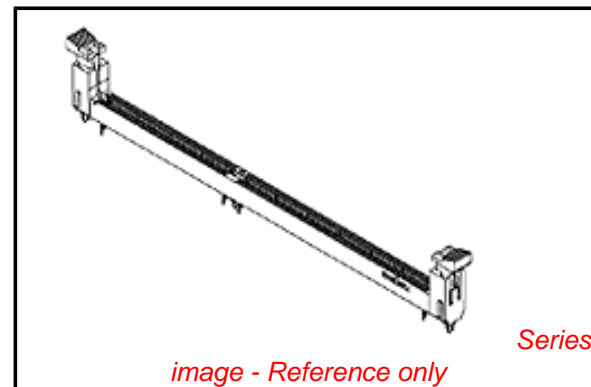
Circuits (Loaded) 240  
 Circuits (maximum) 240  
 Color - Resin Black  
 Durability (mating cycles max) 25  
 Entry Angle Vertical  
 Flammability 94V-0  
 Function Key None  
 Keying to Mating Part Yes  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 8.800/g  
 PC Tail Length 3.18mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 2.36mm  
 Packaging Type Tray  
 Pitch - Mating Interface 1.00mm  
 Pitch - Termination Interface 1.00mm  
 Plating min - Mating 0.762µm  
 Plating min - Termination 2.540µm  
 Temperature Range - Operating -55°C to +85°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 1A  
 Voltage - Maximum 30V AC (RMS)/DC  
 Voltage Key Center

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 5  
 Lead-free Process Capability SMC & Wave Capable (TH only)  
 Max. Cycles at Max. Process Temperature 2



**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Not Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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**

[78321Series](#)

**Mates With**

JEDEC Standard 1.27mm Modules

Process Temperature max. C

260

**Material Info**

**Reference - Drawing Numbers**

Electrical Model Document

EE-78321-001, EE-78321-002

Product Specification

PS-78321-001

Sales Drawing

SD-78321-001

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