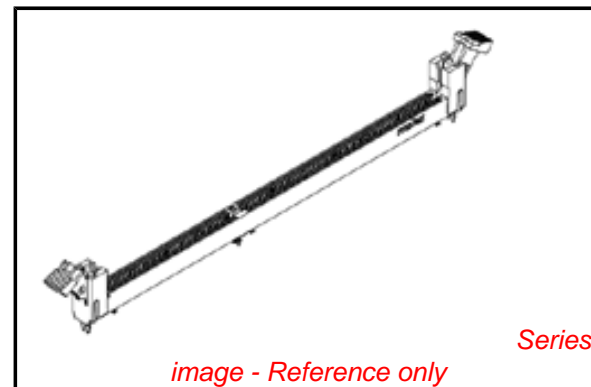


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [78378-0001](#)  
**Status:** **Active**  
**Description:** 1.00mm Pitch DDR3 DIMM Socket, Low LLCR, SMT, Vertical, with Beveled Metal Pins, Black Housing and Latches, 0.76µm Gold (Au) Plating, 1.57mm PCB Thickness, 1.5V Center Voltage Key, 240 Circuits, Lead-Free

**Documents:**

[3D Model](#) [Application Specification AS-78378-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-78378-001 \(PDF\)](#)



*image - Reference only*

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Memory Module Sockets  
 Series [78378](#)  
 Component Type Socket  
 JEDEC Outline MO-269  
 Product Name DDR3 DIMM  
 UPC 883906279400

**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 8.858/g  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.57mm  
 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 Surface Mount

**Electrical**

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

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 40  
 Lead-free Process Capability Reflow Capable (SMT only)  
 Max. Cycles at Max. Process Temperature 2

**EU RoHS**

**ELV and RoHS  
 Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**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**

78378Series

**Mates With**

JEDEC Standard 1.27mm Modules

Process Temperature max. C

260

## **Material Info**

### **Reference - Drawing Numbers**

Application Specification	AS-78378-001
Electrical Model Document	EE-78378-001
Product Specification	PS-78378-001
S-Parameter Model	SP-78378-001
Sales Drawing	SD-78378-001

This document was generated on 01/23/2013

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**