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**Part Number:** [78156-0001](#)  
**Status:** **Active**  
**Overview:** [DDR3 DIMM](#)  
**Description:** 1.00mm Pitch DDR3 DIMM Socket, Vertical, SMT, with Beveled Metal Pins, Black Housing and Latches, 0.76µm Gold (Au) Plating, 3.94mm Beveled Metal Pin Length, 1.57mm PCB Thickness, 240 Circuits, Lead-Free

**Documents:**

[3D Model](#) [Application Specification AS-78156-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-78156-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Memory Module Sockets  
 Series [78156](#)  
 Component Type Socket  
 JEDEC Outline MO-269  
 Overview [DDR3 DIMM](#)  
 Product Name DDR3 DIMM  
 UPC 800756674803

**Physical**

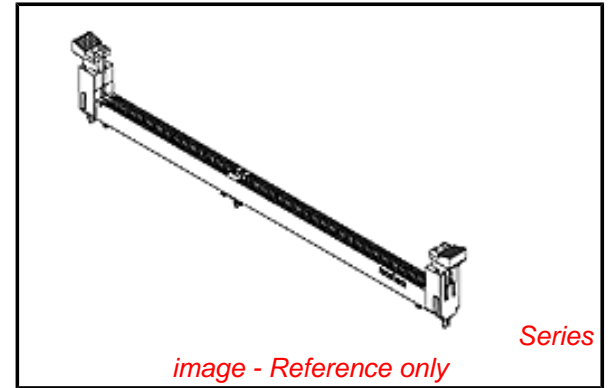
Circuits (Loaded) 240  
 Circuits (maximum) 240  
 Color - Resin Black  
 Durability (mating cycles max) 25  
 Entry Angle Vertical  
 Flammability 94V-0  
 Function Key None  
 Keying to Mating Part Yes  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 8.847/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



**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Low-Halogen**

**China RoHS**



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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**

[78156Series](#)

**Mates With**

JEDEC Standard 1.27mm Modules

Lead-free Process Capability  
Max. Cycles at Max. Process Temperature  
Process Temperature max. C

Reflow Capable (SMT only)  
2  
260

### **Material Info**

### **Reference - Drawing Numbers**

Application Specification	AS-78156-001
Electrical Model Document	EE-78156-004, EE-78156-005
Product Specification	PS-78156-001
S-Parameter Model	SP-78156-004, SP-78156-005
Sales Drawing	SD-78156-001

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