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**Part Number:** [0877051031](#)  
**Status:** **Active**  
**Description:** 1.00mm Pitch DDR-II DIMM Socket, Vertical, Center Keys, 3.18mm Tail Length, Beige Latches, 0.03µm Gold (Au) Plating, with Beveled Metal Pins, 240 Circuits, Lead-Free

**Documents:**

[3D Model](#) [Product Specification PS-87705-002-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Memory Module Sockets  
 Series [87705](#)  
 Component Type Socket  
 Electrical Model Yes  
 JEDEC Outline MO-237  
 Product Name DDR2 DIMM  
 UPC 756054857335

**Physical**

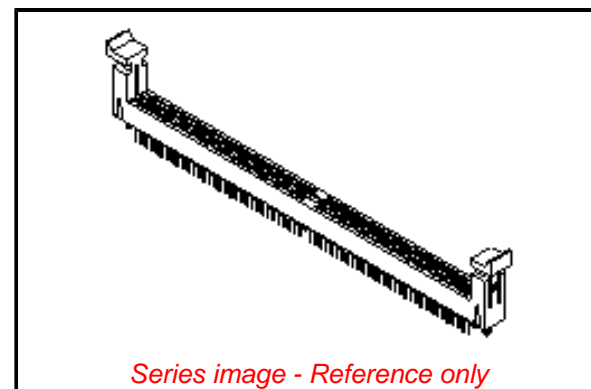
Circuits (Loaded) 240  
 Durability (mating cycles max) 25  
 Entry Angle Vertical (Top Entry)  
 Flammability 94V-0  
 Function Key None  
 Housing Color Black  
 Keying to Mating Part Yes  
 Latch Color Beige  
 Material - Metal Brass, Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 10.094g  
 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 0.051µm  
 Plating min - Termination 2.540µm  
 Temperature Range - Operating -10°C to +85°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 0.5A  
 Voltage - Maximum 30V AC (RMS)/DC  
 Voltage Key Center

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 005  
 Lead-free Process Capability SMC&WAVE  
 Max. Cycles at Max. Process Temperature 001  
 Process Temperature max. C 260



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
 -ED/01/2017 (12  
 January 2017)

**Halogen-Free**

**Status**

**Not Low-Halogen**

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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[87705 Series](#)

**Mates With**

JEDEC Standard 1.27mm Modules

**Material Info**

**Reference - Drawing Numbers**

Electrical Model Document  
Product Specification  
S-Parameter Model  
Sales Drawing

EE-87705-001  
PS-87705-002-001  
SP-87705-001  
SD-87705-001

This document was generated on 02/28/2017

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