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**Part Number:** **0878030102**  
**Status:** **Active**  
**Description:** 1.00mm Pitch DDR-2 DIMM Socket, 25 Degree Angle, Through Hole, 1.8V Voltage Key, 2.79mm Tail Length, 0.76µm Gold (Au) Plating, 240 Circuits, Natural (Off White) Latch, Lead-Free

**Documents:**

[3D Model](#) [Product Specification PS-87803-003-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Memory Module Sockets  
 Series [87803](#)  
 Comments No Lubricant at the Contact  
 Component Type Socket  
 Electrical Model Yes  
 JEDEC Outline MO-237  
 Product Name DDR2 DIMM  
 UPC 822348699483

**Physical**

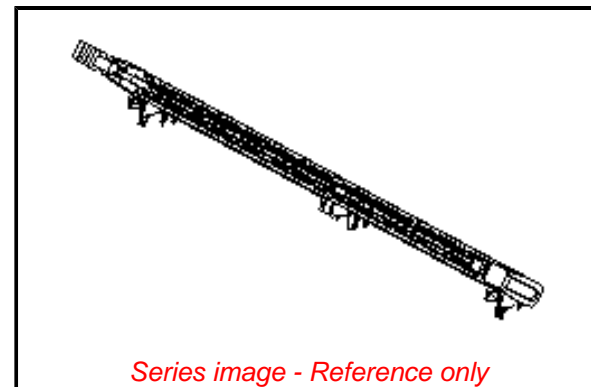
Circuits (Loaded) 240  
 Durability (mating cycles max) 25  
 Entry Angle 25° Angle  
 Flammability 94V-0  
 Housing Color Black  
 Keying to Mating Part Yes  
 Latch Color Natural (Off-White)  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 11.298/g  
 PC Tail Length 2.79mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Tray  
 Pitch - Mating 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 0.5A  
 Voltage - Maximum 30V AC (RMS)/DC  
 Voltage Key 1.8V, Center

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 005  
 Lead-free Process Capability SMC&WAVE  
 Max. Cycles at Max. Process Temperature 002  
 Process Temperature max. C 260



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
 -ED/01/2018 (15  
 January 2018)

**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**

[87803](#) Series

**Mates With**

JEDEC Standard 1.27mm Modules

**Material Info**

**Reference - Drawing Numbers**

Electrical Model Document

Product Specification

S-Parameter Model

Sales Drawing

EE-87803-001

PS-87803-003-001

SP-87803-001

SD-87803-010

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