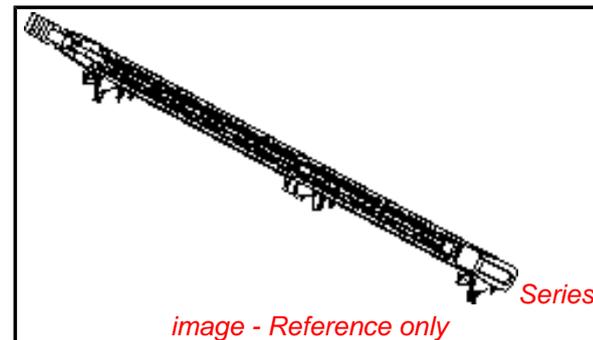


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**Part Number:** **0878030112**  
**Status:** **Active**  
**Description:** 1.00mm (.039") Pitch DDR-2 DIMM Socket, 25 Degree Angle, Through Hole, 1.8V Voltage Key, 3.18mm (.125") Tail Length, 0.76µm (30µ") Gold (Au) Plating, 240 Circuits, Lead-free

**Documents:**

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



**General**

Product Family	Memory Module Sockets
Series	87803
Comments	<LI>No Lubricant at the Contact<LI>Latches in Off-White Color
Component Type	Socket
JEDEC Outline	MO-237
Product Name	DDR2 DIMM

**Physical**

Circuits (Loaded)	240
Color - Resin	Black, Natural
Durability (mating cycles max)	25
Entry Angle	25° Angle
Flammability	94V-0
Keying to Mating Part	Yes
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
PC Tail Length (in)	0.125 In
PC Tail Length (mm)	3.18 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.093 In
PCB Thickness Recommended (mm)	2.40 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.039 In
Pitch - Mating Interface (mm)	1.00 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.54
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Through Hole

**Electrical**

CSA	LR19980
Current - Maximum	0.5A
UL	E29179
Voltage - Maximum	30V AC (RMS)/DC
Voltage Key	1.8V, 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

<b>EU RoHS</b> <b>ELV and RoHS</b> <b>Compliant</b> <b>REACH SVHC</b> <b>Contains SVHC: No</b> <b>Halogen-Free</b> <b>Status</b> <b>Not Reviewed</b>	<b>China RoHS</b> 
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**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**  
87803Series

**Mates With**  
JEDEC standard 1.27mm modules

Process Temperature max. C 260

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-87803-003  
Sales Drawing SD-87803-010

This document was generated on 01/12/2010

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