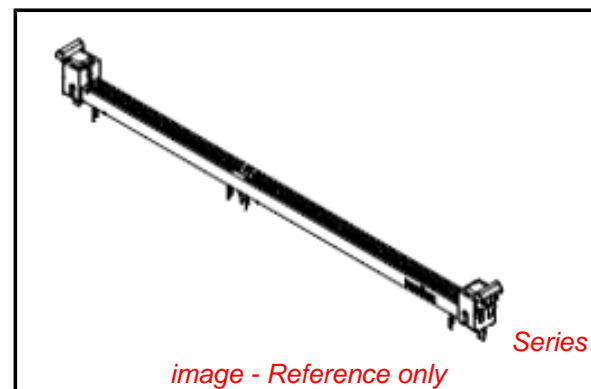


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**Part Number:** [78588-1502](#)  
**Status:** **Active**  
**Overview:** [DDR3 DIMM Sockets](#)  
**Description:** 1.00mm Pitch DIMM DDR3 Socket, Ultra Low Profile, Through Hole, Vertical, Black with Black Latches, 1.5V Voltage Key, 240 Circuits, 0.381mm Gold (Au) Plating, Lead-Free

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-78823-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-78588-001 (PDF)</a>	



**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	Memory Module Sockets
Series	<a href="#">78588</a>
Component Type	Socket
Electrical Model	Yes
JEDEC Outline	PS-001
Overview	<a href="#">DDR3 DIMM Sockets</a>
Product Name	DDR3 DIMM
UPC	884982662407

**Physical**

Circuits (Loaded)	240
Circuits (maximum)	240
Color - Resin	Black
Durability (mating cycles max)	25
Entry Angle	Vertical
Flammability	94V-0
Keying to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Matte Tin, Nickel
Material - Resin	High Temperature Thermoplastic
Net Weight	5.385/g
PC Tail Length	3.18mm
PCB Retention	Yes
PCB Thickness - Recommended	2.36mm
Packaging Type	Tray
Pitch - Mating Interface	1.00mm
Plating min - Mating	0.381µm
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Through Hole

**Electrical**

Current - Maximum per Contact	1A
Voltage - Maximum	29V AC (RMS)/DC
Voltage Key	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

**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**

[78588Series](#)

**Mates With**

JEDEC Standard 1.27mm Modules

Process Temperature max. C

260

## Material Info

### Reference - Drawing Numbers

Electrical Model Document  
Product Specification

EE-78588-001

PS-78588-001, PS-78823-001, RPS-78588-001,  
RPS-78588-001CC, RPS-78588-012

S-Parameter Model  
Sales Drawing

SP-78588-001

SD-78588-002

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