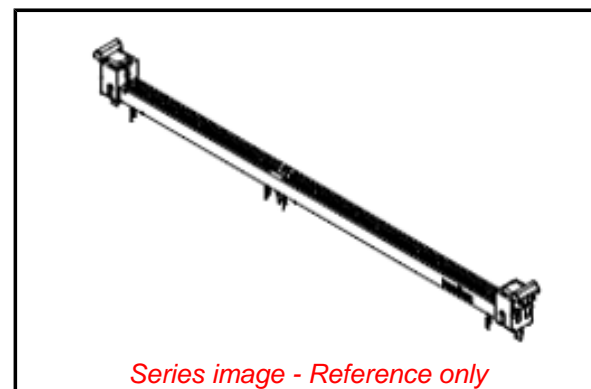


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0785881502](#)  
**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="#">Application Specification AS-78588-001 (PDF)</a> |
| <a href="#">Product Specification PS-78588-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (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 | 1.0A            |
| Voltage - Maximum             | 29V 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        | 002      |
| Process Temperature max. C                     | 260      |

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/79/2015 (17  
December 2015)

**Halogen-Free**

**Status**

**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

ELV

Green Image

Not Relevant

**Search Parts in this Series**

[78588](#) Series

**Mates With**

JEDEC Standard 1.27mm Modules

**Material Info**

**Reference - Drawing Numbers**

|                           |  |
|---------------------------|--|
| Application Specification | AS-78588-001   |
| Electrical Model Document | EE-78588-001   |
| Product Specification     | PS-78588-001, PS-78823-001, RPS-78588-001,<br>RPS-78588-001CC, RPS-78588-012 |
| S-Parameter Model         | SP-78588-001   |
| Sales Drawing             | SD-78588-002   |

This document was generated on 03/30/2016

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**