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Part Number: [78588-0002](#)
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, 0.762mm Gold (Au) Plating, Lead-Free

Documents:

[3D Model](#) [Product Specification PS-78588-002 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family Memory Module Sockets
 Series [78588](#)
 Component Type Socket
 Electrical Model Yes
 JEDEC Outline PS-001
 Overview [DDR3 DIMM Sockets](#)
 Product Name DDR3 DIMM
 UPC 884982911888

Physical

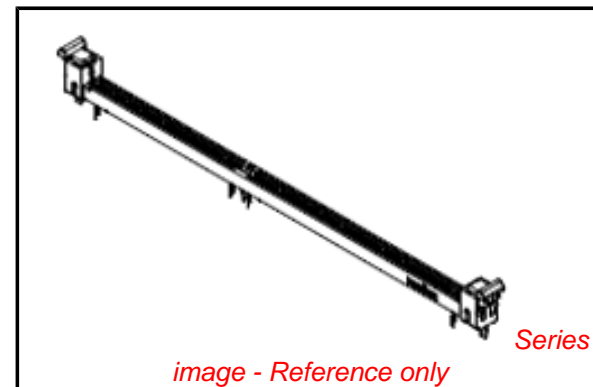
Circuits (Loaded) 240
 Circuits (maximum) 240
 Color - Resin Black
 Durability (mating cycles max) 25
 Entry Angle Vertical
 Flammability 94V-0
 Keying to Mating Part Yes
 Material - Metal Copper Alloy
 Material - Plating Mating Gold
 Material - Plating Termination Matte Tin, Nickel
 Material - Resin 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 0.762µm
 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
 Process Temperature max. C 260



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
 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

Material Info

Reference - Drawing Numbers

Electrical Model Document
Product Specification
S-Parameter Model
Sales Drawing

EE-78588-001
PS-78588-002, RPS-78588-001CC, RPS-78588-002
SP-78588-001
SD-78588-002

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