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Part Number: [48321-1000](#)
Status: **Active**
Overview: Slimline Serial ATA ODD Connectors
Description: 1.00mm, 1.27mm Pitch Slimline Serial ATA Receptacle, Right Angle, Standard DIP with Nut, Gold (Au) Flash Plating, Mounted Height: 3.50mm, with LCP Aligner, Lead-Free

Documents:

[3D Model](#) [Test Summary TS-48321-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-48321-001 \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Receptacles
 Series [48321](#)
 Application Board-to-Board, Signal
 Comments Standard DIP, with nut and pin-alignment
 Overview [Slimline Serial ATA ODD Connectors](#)
 Product Name Serial ATA, Slimline Serial ATA
 UPC 883906087678

Physical

Circuits (Loaded) 13
 Circuits (maximum) 13
 Color - Resin Black
 Durability (mating cycles max) 500
 Flammability 94V-0
 Glow-Wire Compliant No
 Guide to Mating Part Yes
 Keying to Mating Part Yes
 Lock to Mating Part No
 Material - Metal Copper Alloy
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Number of Rows 1
 Orientation Right Angle
 PC Tail Length 1.60mm
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 1.60mm
 Packaging Type Embossed Tape on Reel
 Pitch - Mating Interface 1.00mm, 1.27mm
 Pitch - Termination Interface 1.00mm, 1.27mm
 Plating min - Mating 0.051µm
 Plating min - Termination 2.540µm
 Polarized to Mating Part Yes
 Polarized to PCB Yes
 Stackable No
 Surface Mount Compatible (SMC) Yes
 Temperature Range - Operating -40°C to +85°C
 Termination Interface: Style Through Hole

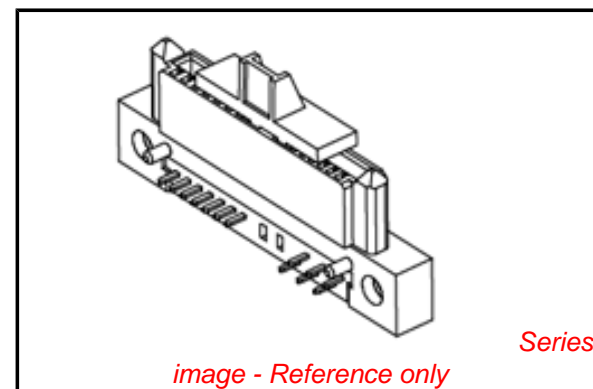


image - Reference only

EU RoHS

**ELV and RoHS
 Compliant**
**REACH SVHC
 Not Reviewed**
**Low-Halogen Status
 Not Reviewed**

China RoHS



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 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

48321Series

Mates With

473001xxx Slimline Serial ATA Plugs

Electrical

Current - Maximum per Contact

1A

Grounding to PCB

Yes

Voltage - Maximum

15V (RMS)

Material Info**Reference - Drawing Numbers**

Product Specification

PS-48321-001

Sales Drawing

E-48321-001, SD-48321-001

Test Summary

TS-48321-001

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