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Part Number: [48321-2002](#)
Status: **Active**
Overview: Slimline Serial ATA ODD Connectors
Description: 1.00mm, 1.27mm Pitch Slimline Serial ATA Receptacle, Right Angle, Standard DIP with Nut, 0.76µm Gold (Au) Plating, Mounted Height: 4.25mm, without pin alignment, Lead-Free

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

Agency Certification

CSA LR19980
UL E29179

General

Product Family PCB Receptacles
Series [48321](#)
Application Board-to-Board, Signal
Comments Standard DIP, with nut; without pin alignment
Overview [Slimline Serial ATA ODD Connectors](#)
Product Name Serial ATA, Slimline Serial ATA
UPC 883906088323

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 0.762µm
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

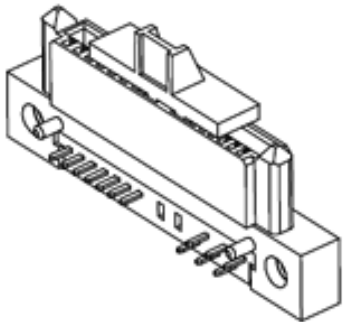


image - Reference only

Series

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

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
[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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