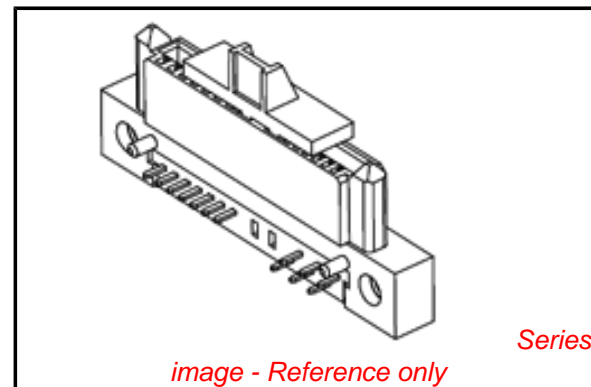


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**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:**

<a href="#">3D Model</a>	<a href="#">Test Summary TS-48321-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-48321-001 (PDF)</a>	



*image - Reference only*

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Receptacles
Series	<a href="#">48321</a>
Application	Board-to-Board, Signal
Comments	Standard DIP, with nut; without pin alignment
Overview	<a href="#">Slimline Serial ATA ODD Connectors</a>
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

**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](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**

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

This document was generated on 10/11/2012

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