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**Part Number:** [0476500002](#)  
**Status:** **Active**  
**Overview:** [slimline\\_serial\\_ata\\_odd\\_connectors](#)  
**Description:** 1.00mm (.039"), 1.27mm (.050") Pitch Slimline Serial ATA Receptacle for Optical Disk Drives, Vertical, SMT, 0.38µm (15µ") Gold (Au) Plating, with Cover, Lead free

**Documents:**

[3D Model](#) [Product Specification PS-47650-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

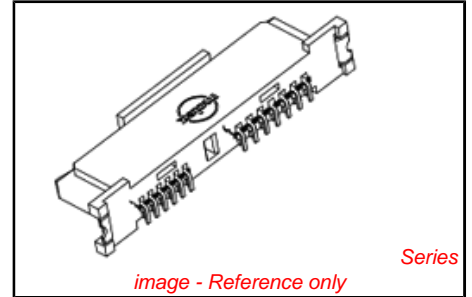
Product Family PCB Receptacles  
 Series [47650](#)  
 Application Board-to-Board, Signal  
 Overview [slimline\\_serial\\_ata\\_odd\\_connectors](#)  
 Product Name Serial ATA, Slimline Serial ATA

**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 Yes  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Number of Rows 1  
 Orientation Vertical  
 PCB Locator No  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.60mm (.063")  
 Packaging Type Embossed Tape on Reel  
 Pitch - Mating Interface 1.00mm (.039"), 1.27mm (.050")  
 Pitch - Termination Interface 1.00mm (.039"), 1.27mm (.050")  
 Plating min - Mating 0.381µm (15µ")  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Robotic Placement Pick and Place Cap  
 Stackable No  
 Surface Mount Compatible (SMC) N/A  
 Temperature Range - Operating -35°C to +85°C  
 Termination Interface: Style Surface Mount

**Electrical**

Current - Maximum per Contact 1.5A  
 Grounding to PCB Yes  
 Voltage - Maximum 15V DC



**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**

[47650Series](#)

**Mates With**

[473001xxx Slimline Serial ATA Plugs](#)

**Material Info**

Country of Origin

CN

**Reference - Drawing Numbers**

Packaging Specification

PK-47650-001

Product Specification

PS-47650-001

Sales Drawing

SD-47650-001

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