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Part Number: [0476500001](#)
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, 0.10µm (4µ") Gold (Au) Plating, withCover, 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

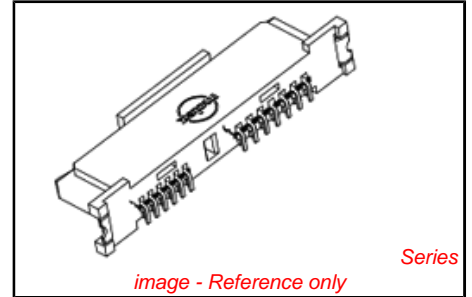
Product Family PCB Receptacles
 Series 47650
 Application Board-to-Board, Signal
 Overview [slimline_serial_ata_odd_connectors](#)
 Product Name Serial ATA, Slimline Serial ATA

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 0.102µm (4µ")
 Plating min - Termination 1.016µm (40µ")
 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



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Low-Halogen



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
[47650Series](#)

Mates With
[473001xxx Slimline Serial ATA Plugs](#)

Voltage - Maximum 15V DC

Solder Process Data

Duration at Max. Process Temperature (seconds) 10
Lead-free Process Capability Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature 1
Process Temperature max. C 260

Material Info

Reference - Drawing Numbers

Product Specification PS-47650-001
Sales Drawing SD-47650-001

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