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Part Number: [47650-0001](#)
Status: **Active**
Overview: Slimline Serial ATA ODD Connectors
Description: 1.00mm, 1.27mm Pitch Slimline Serial ATA Receptacle for Optical Disk Drives, Vertical, Surface Mount, 0.10µm 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

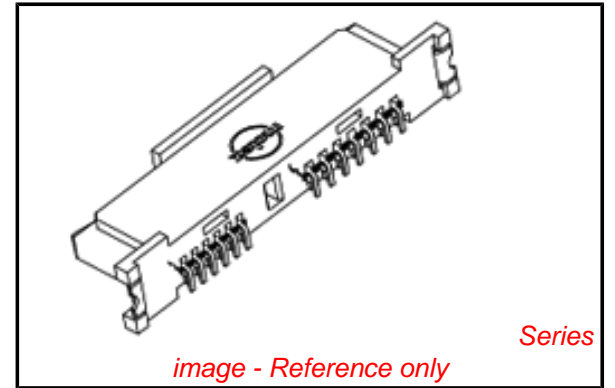
General

Product Family PCB Receptacles
 Series [47650](#)
 Application Board-to-Board, Signal
 Overview [Slimline Serial ATA ODD Connectors](#)
 Product Name Serial ATA, Slimline Serial ATA
 UPC 883906159030

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
 Net Weight 0.740/g
 Number of Rows 1
 Orientation Vertical
 PCB Locator No
 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 0.102µm
 Plating min - Termination 1.016µm
 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



EU RoHS

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

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

47650Series

Mates With

47300-1*** Slimline Serial ATA Plugs

Current - Maximum per Contact	1.5A
Grounding to PCB	Yes
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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