

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **047650002**
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, 0.38µm Gold (Au) Plating, with Cover, Lead-Free

Documents:

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

Agency Certification

CSA LR19980
 UL E29179

General

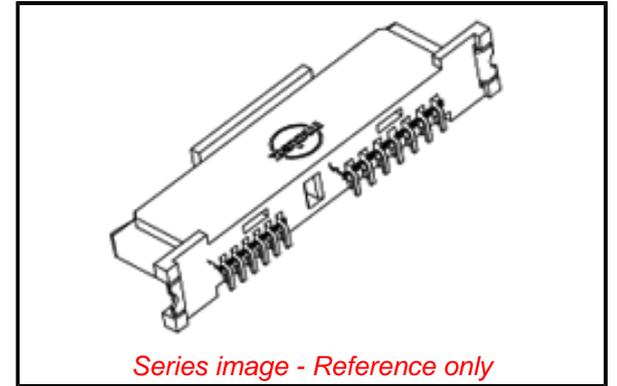
Product Family PCB Receptacles
 Series [47650](#)
 Application Board-to-Board, Signal
 Overview [Slimline Serial ATA ODD Connectors](#)
 Product Name Serial ATA, Slimline Serial ATA
 UPC 883906426798

Physical

Circuits (Loaded) 13
 Circuits (maximum) 13
 Color - Resin Black
 Durability (mating cycles max) 500
 Flammability 94V-0
 Glow-Wire Capable 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 0.739/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 0.381µm
 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° to +85°C
 Termination Interface: Style Surface Mount

Electrical

Current - Maximum per Contact 1.5A



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/30/2017 (7 July
 2017)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[47650 Series](#)

Mates With

473001*** Slimline Serial ATA Plugs

Grounding to PCB	Yes
Voltage - Maximum	15V DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	005
Lead-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info**Reference - Drawing Numbers**

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

This document was generated on 02/21/2019

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION