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Part Number: [0470184001](#)
Status: **Active**
Overview: [serial_ata_127_host_receptacles](#)
Description: 1.27mm (.050") Pitch Serial ATA Host Receptacle, Mating Height 5.15mm (.203"), 0.76µm (30µ") Gold (Au) Plating, Light Tin Solder Area, SurfaceMount, Right Angle, Top Mount Type, 22 Circuits, Lead Free

Documents:

[3D Model](#) [Product Specification PS-67492-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Receptacles
 Series [47018](#)
 Application Board-to-Board, Signal
 Comments Top Mount Type
 Overview [serial_ata_127_host_receptacles](#)
 Product Name Serial ATA

Physical

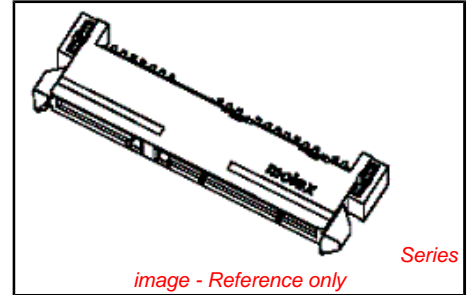
Circuits (Loaded) 22
 Color - Resin Black
 Durability (mating cycles max) 500
 Flammability 94V-0
 Glow-Wire Compliant No
 Keying to Mating Part Yes
 Lock to Mating Part None
 Material - Metal Copper Alloy
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Number of Rows 1
 Orientation Right Angle
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 1.60mm (.063")
 Packaging Type Embossed Tape on Reel
 Pitch - Mating Interface 1.27mm (.050")
 Pitch - Termination Interface 1.27mm (.050")
 Plating min - Mating 0.762µm (30µ")
 Plating min - Termination 2.032µm (80µ")
 Polarized to Mating Part Yes
 Polarized to PCB Yes
 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
 Voltage - Maximum 15V DC

Solder Process Data

Lead-free Process Capability Reflow Capable (SMT only)
 Process Temperature max. C 230



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Not 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
[47018Series](#)

Mates With
[87703-0001](#)

Material Info

Country of Origin

CN, HK

Reference - Drawing Numbers

Packaging Specification

PK-47018-003

Product Specification

PS-67492-001

Sales Drawing

SD-47018-001

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