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Part Number: [0470184001](#)
Status: **Active**
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 LR 19980
UL E29179

General

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

Physical

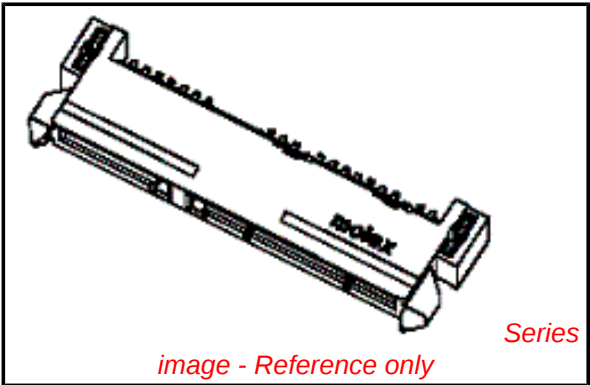
Circuits (Loaded) 22
Color - Resin Black
Durability (mating cycles max) 500
Flammability 94V-0
Glow-Wire Compliant No
Keying to Mating Part Yes
Lock to Mating Part None
Material - Metal Copper Alloy
Material - Plating Mating Gold
Material - Plating Termination Tin
Number of Rows 1
Orientation Right Angle
PCB Locator Yes
PCB Retention Yes
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tray
Pitch - Mating Interface (in) 0.050 In
Pitch - Mating Interface (mm) 1.27 mm
Plating min: Mating (µin) 30
Plating min: Mating (µm) 0.76
Plating min: Termination (µin) 80
Plating min: Termination (µm) 2.00
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)



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

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
[47018Series](#)

Mates With
[87703-0001](#)

Process Temperature max. C

230

Material Info

Reference - Drawing Numbers

Product Specification

PS-67492-001

Sales Drawing

SD-47018-001

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