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Part Number: [0470184001](#)

Status: **Active**

Overview: Serial ATA Host Receptacles

Description: 1.27mm Pitch Serial ATA Host Receptacle, Mating Height 5.15mm, 0.76µm Gold (Au) Plating, Light Tin Solder Area, Surface Mount, Right Angle, Top Mount Type, 22 Circuits, Lead-Free

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-67492-001 \(PDF\)](#)

[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 Host Receptacles](#)
Product Name Serial ATA
UPC 822350330824

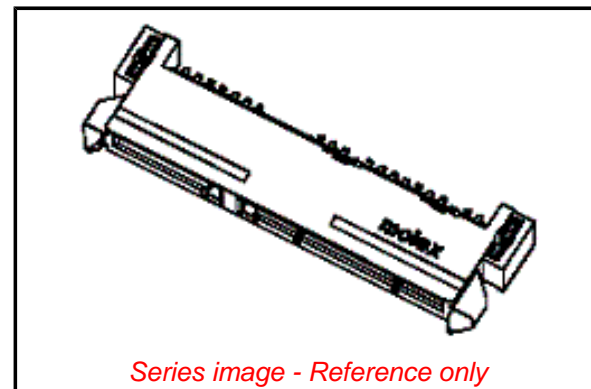
Physical

Circuits (Loaded) 22
Circuits (maximum) 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
Net Weight 2.130/g
Number of Rows 1
Orientation Right Angle
PCB Locator Yes
PCB Retention Yes
PCB Thickness - Recommended 1.60mm
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface 1.27mm
Pitch - Termination Interface 1.27mm
Plating min - Mating 0.762µm
Plating min - Termination 2.032µm
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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contains SVHC(2015 June 15): No

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

Green Image

Not Relevant

Search Parts in this Series

[47018 Series](#)

Mates With

[87703-0001](#)

Lead-free Process Capability
Process Temperature max. C

REFLOW
230

Material Info

Reference - Drawing Numbers

Electrical Model Document

EE-47018-003

Product Specification

PS-67492-001

S-Parameter Model

SP-47018-003

Sales Drawing

SD-47018-001

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