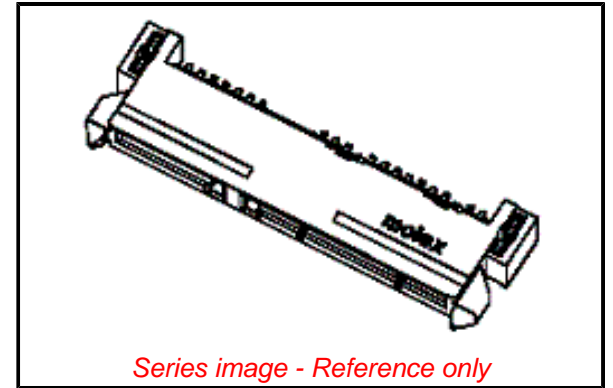


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Part Number: [0470184002](#)
Status: **Active**
Overview: Serial ATA Host Receptacles
Description: 1.27mm Pitch Serial ATA Host Receptacle, Mating Height 5.15mm, 0.38µm Gold (Au) Plating, Light Tin Solder Area, Surface Mount, Right-Angle, Top Mount Type, 22 Circuits, Lead-Free

Documents:

| | |
|--|--|
| 3D Model | Product Specification PS-67492-001-007 (PDF) |
| Drawing (PDF) | Packaging Specification PK-47018-003 (PDF) |
| Product Specification PS-67492-001-001 (PDF) | RoHS Certificate of Compliance (PDF) |



Series image - Reference only

Agency Certification

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|----------------|---|
| Product Family | PCB Receptacles |
| Series | 47018 |
| Application | Board-to-Board, Signal |
| Comments | Top Mount Type, Top Mount Type |
| Overview | Serial ATA Host Receptacles |
| Product Name | Serial ATA |
| UPC | 822350330831 |

Physical

| | |
|--------------------------------|-----------------------|
| Circuits (Loaded) | 22 |
| Circuits (maximum) | 22 |
| Color - Resin | Black |
| Durability (mating cycles max) | 500 |
| Flammability | 94V-0 |
| Glow-Wire Capable | 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 | 1.750/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 | 0.381µm |
| Plating min - Termination | 2.032µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| 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 |
| Voltage - Maximum | 15V DC |

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/88/2018 (15
January 2019)

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

[47018 Series](#)

Mates With

[877030001](#)

Solder Process Data

| | |
|--|--------|
| Duration at Max. Process Temperature (seconds) | 003 |
| Lead-free Process Capability | REFLOW |
| Max. Cycles at Max. Process Temperature | 001 |
| Process Temperature max. C | 255 |

Material Info**Reference - Drawing Numbers**

| | |
|---------------------------|------------------------------------|
| Electrical Model Document | EE-47018-003 |
| Packaging Specification | PK-47018-003 |
| Product Specification | PS-67492-001-001, PS-67492-001-007 |
| S-Parameter Model | SP-47018-003 |
| Sales Drawing | SD-47018-001-001 |

This document was generated on 07/29/2019

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