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**Part Number:** [47018-2002](#)  
**Status:** **Active**  
**Overview:** [Serial ATA Host Receptacles](#)  
**Description:** 1.27mm Pitch Serial ATA Host Receptacle, Mating Height 4.30mm, 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 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
UL E29179

**General**

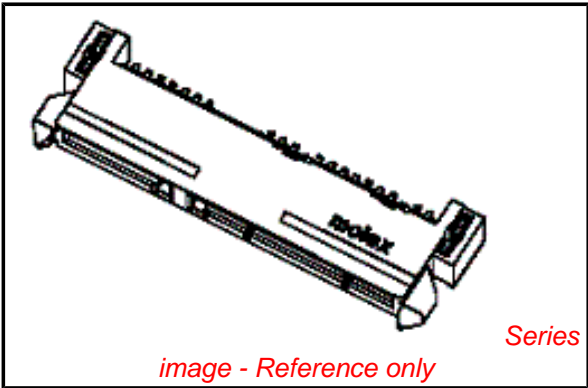
Product Family PCB Receptacles  
Series [47018](#)  
Application Board-to-Board, Signal  
Comments Top Mount Type  
Overview [Serial ATA Host Receptacles](#)  
Product Name Serial ATA  
UPC 822350127691

**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 1.907/g  
Number of Rows 1  
Orientation Right Angle  
PCB Locator Yes  
PCB Retention Yes  
PCB Thickness - Recommended 1.60mm  
Packaging Type Tray  
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°C to +85°C  
Termination Interface: Style Surface Mount

**Electrical**

Current - Maximum per Contact 1.5A  
Voltage - Maximum 15V DC



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



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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**  
[877030001](#)

**Solder Process Data**

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

**Material Info**

**Reference - Drawing Numbers**

Electrical Model Document	EE-47018-003
Product Specification	PS-67492-001
Sales Drawing	SD-47018-001

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