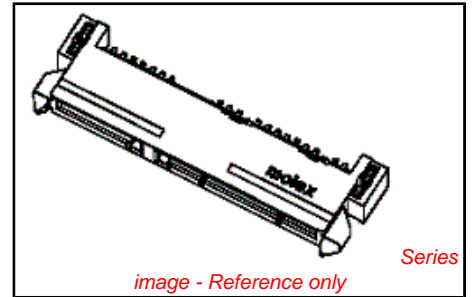


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**Part Number:** [0470184002](#)  
**Status:** **Active**  
**Overview:** [serial\\_ata\\_127\\_host\\_receptacles](#)  
**Description:** 1.27mm (.050") Pitch Serial ATA Host Receptacle, Mating Height 5.15mm (.203"), 0.38µm (15µ") Gold (Au) Plating, 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 0.381µm (15µ")  
 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

<p><b>EU RoHS</b>  <b>ELV and RoHS</b>  <b>Compliant</b>  <b>REACH SVHC</b>                  Not Reviewed  <b>Low-Halogen Status</b>                  Not Reviewed</p>	<p><b>China RoHS</b></p>
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**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.

<p><b>Search Parts in this Series</b>  <a href="#">47018Series</a></p>
<p><b>Mates With</b>  <a href="#">87703-0001</a></p>

**Material Info**

**Reference - Drawing Numbers**

Product Specification  
Sales Drawing

PS-67492-001  
SD-47018-001

This document was generated on 02/21/2011

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