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**Part Number:** [47306-2001](#)

**Status:** **Active**

**Overview:** [Serial ATA Products](#)

**Description:** 1.27mm Pitch Serial ATA High Speed Header, Vertical, Surface Mount, with Locking Latch, 7 Circuits, Gold (Au) Flash, Metal Post Length 2.65mm, Tape on Reel Package, without Mylar, Lead-Free

**Documents:**

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-67491-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
UL E29179

**General**

Product Family PCB Headers  
Series [47306](#)  
Application Board-to-Board, Signal  
Comments Staggered Solder Pin|Metal Post Length 2.65mm  
Overview [Serial ATA Products](#)  
Product Name Serial ATA  
UPC 800756668154

**Physical**

Breakaway No  
Circuits (Loaded) 7  
Circuits (maximum) 7  
Color - Resin Black  
Durability (mating cycles max) 50  
First Mate / Last Break Yes  
Flammability 94V-0  
Glow-Wire Compliant No  
Guide to Mating Part Yes  
Keying to Mating Part Yes  
Lock to Mating Part Yes  
Mated Height 8.40mm  
Material - Metal Brass  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 0.912g  
Number of Rows 1  
Orientation Vertical  
PCB Locator Yes  
PCB Retention Yes  
Packaging Type Embossed Tape on Reel  
Pitch - Mating Interface 1.27mm  
Pitch - Termination Interface 1.27mm  
Plating min - Mating 0.051µm  
Plating min - Termination 1.270µm  
Polarized to Mating Part Yes  
Polarized to PCB Yes  
Shrouded Fully  
Stackable No  
Temperature Range - Operating -35°C to +85°C

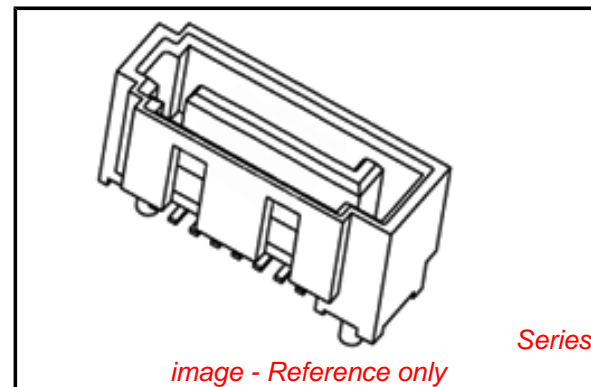


image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

**Contains SVHC: No Low-Halogen Status Low-Halogen**

**China RoHS**



**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**

47306Series

Termination Interface: Style

Surface Mount

### **Electrical**

Current - Maximum per Contact

1.5A

Voltage - Maximum

15V DC

### **Solder Process Data**

Duration at Max. Process Temperature (seconds)

3

Lead-free Process Capability

Reflow Capable (SMT only)

Max. Cycles at Max. Process Temperature

1

Process Temperature max. C

255

### **Material Info**

#### **Reference - Drawing Numbers**

Electrical Model Document

EE-47306-001

Product Specification

PS-67491-001, RPS-67491-001

Sales Drawing

SD-47306-001

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