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**Part Number:** [172647-0103](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Jr.™ Power Connectors  
**Description:** Mini-Fit® Jr. Header, Single Row, Vertical, 3 Circuits, PA Polyamide Nylon 6/6, 94V-0, Bright Tin (Sn) over Nickel (Ni) Plating, Glow Wire Compatible

**Documents:**

[Drawing \(PDF\)](#) [Test Summary TS-5556-002 \(PDF\)](#)  
[Product Specification PS-5556-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

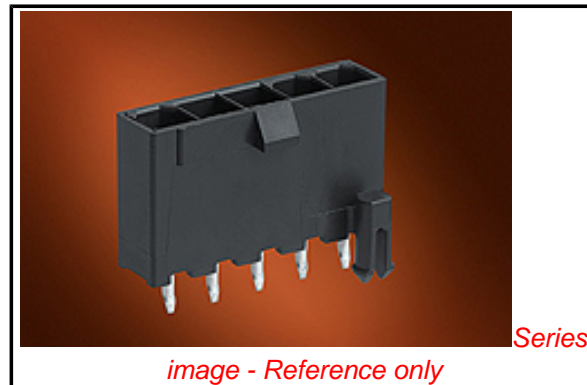
CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [172647](#)  
 Application Power, Wire-to-Board  
 Overview [Mini-Fit Jr.™ Power Connectors](#)  
 Product Name Mini-Fit Jr.™  
 UPC 887191728964

**Physical**

Breakaway No  
 Circuits (Loaded) 3  
 Circuits (maximum) 3  
 Color - Resin Black  
 Durability (mating cycles max) 30  
 First Mate / Last Break No  
 Flammability 94V-2  
 Glow-Wire Compliant Yes  
 Guide to Mating Part No  
 Keying to Mating Part None  
 Lock to Mating Part Yes  
 Material - Metal Brass  
 Material - Plating Mating Tin  
 Material - Plating Termination Nickel  
 Material - Resin Nylon  
 Net Weight 0.876/g  
 Number of Rows 1  
 Orientation Vertical  
 PC Tail Length 3.60mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.78mm  
 Packaging Type Bag  
 Pitch - Mating Interface 4.20mm  
 Pitch - Termination Interface 4.20mm  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Shrouded Fully  
 Stackable No  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Through Hole



**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Not 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**

[172647Series](#)

**Mates With**

Mini-Fit Jr.™ Receptacle Housing [46994](#)

**Electrical**

Current - Maximum per Contact	13A
Voltage - Maximum	600V

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	240

**Material Info****Reference - Drawing Numbers**

Product Specification	PS-5556-001
Sales Drawing	SD-172647-0000
Test Summary	TS-5556-002

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