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**Part Number:** [0428192233](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Sr.™ Power Connectors  
**Description:** 10.00mm Pitch Mini-Fit Sr.™ Header, Single Row, Vertical, 3.18mm PCB Thickness, 0.76µm Gold (Au) Selective Plating, 2 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-42815-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

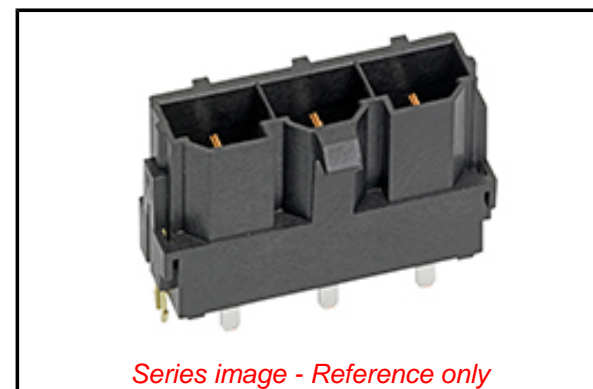
CSA LR19980  
TUV R72131193  
UL E29179

**General**

Product Family PCB Headers  
Series [42819](#)  
Application Power, Wire-to-Board  
Overview [Mini-Fit Sr.™ Power Connectors](#)  
Product Name Mini-Fit Sr.™  
UPC 800756512723

**Physical**

Breakaway No  
Circuits (Loaded) 2  
Circuits (maximum) 2  
Color - Resin Black  
Durability (mating cycles max) 100  
First Mate / Last Break No  
Flammability 94V-0  
Glow-Wire Compliant No  
Guide to Mating Part No  
Keying to Mating Part None  
Lock to Mating Part Yes  
Material - Metal Brass  
Material - Plating Mating Gold over Nickel  
Material - Plating Termination Tin over Nickel  
Material - Resin High Temperature Thermoplastic  
Net Weight 5.525/g  
Number of Rows 1  
Orientation Vertical  
PC Tail Length 5.10mm  
PCB Locator Yes  
PCB Retention Yes  
PCB Thickness - Recommended 3.18mm  
Packaging Type Tray  
Pitch - Mating Interface 10.00mm  
Pitch - Termination Interface 10.00mm  
Plating min - Mating 0.762µm  
Plating min - Termination 2.540µm  
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



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contains SVHC(2015  
June 15): No

**Halogen-Free**

**Status**

**Not Low-Halogen**

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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

China ROHS

ELV

**China RoHS**

Green Image

Not Relevant

**Search Parts in this Series**

[42819 Series](#)

**Mates With**

Mini-Fit Sr.™ Receptacle Housing with TPA  
42816

Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 50.0A

Voltage - Maximum 600V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 030

Lead-free Process Capability SMC&WAVE

Max. Cycles at Max. Process Temperature 003

Process Temperature max. C 235

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-42815-001, RPS-42815-011, RPS-42815-012,  
RPS-42815-013, RPS-42815-014

Sales Drawing SDA-42819-0002

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