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**Part Number:** [0428193214](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Sr.™ Power Connectors  
**Description:** 10.00mm Pitch Mini-Fit Sr.™ Header, Single Row, Vertical, 1.57mm PCB Thickness, Silver (Ag) Plating, 3 Circuits

**Documents:**

[3D Model](#) [Test Summary TS-42815-004 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-42815-001 \(PDF\)](#)

**General**

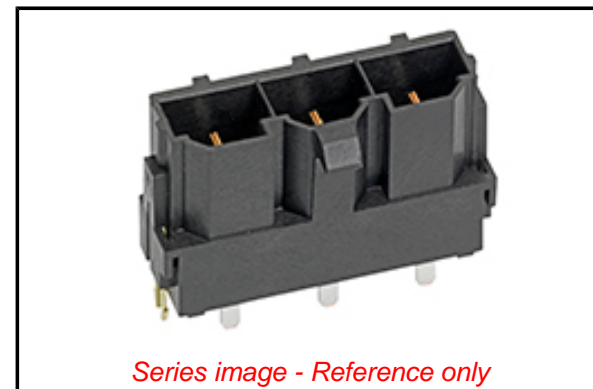
Product Family PCB Headers  
Series 42819  
Application Power, Wire-to-Board  
Overview Mini-Fit Sr.™ Power Connectors  
Product Name Mini-Fit Sr.™  
UPC 889056246125

**Physical**

Breakaway No  
Circuits (Loaded) 3  
Circuits (maximum) 3  
Color - Resin Black  
Durability (mating cycles max) 30  
First Mate / Last Break No  
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 Silver over Nickel  
Material - Plating Termination Tin over Nickel  
Material - Resin High Temperature Thermoplastic  
Net Weight 7.404/g  
Number of Rows 1  
Orientation Vertical  
PC Tail Length 3.50mm  
PCB Locator Yes  
PCB Retention Yes  
PCB Thickness - Recommended 1.57mm  
Packaging Type Tray  
Pitch - Mating Interface 10.00mm  
Pitch - Termination Interface 10.00mm  
Plating min - Mating 2.540µm  
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  
Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 50.0A  
Voltage - Maximum 600V



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per  
-ED/79/2015 (17  
December 2015)

**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

Green Image  
Not Relevant

**Search Parts in this Series**

[42819 Series](#)

**Mates With**

Mini-Fit Sr.™ Receptacle Housing with TPA  
[42816](#)

**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
Sales Drawing	SDA-42819-0002
Test Summary	TS-42815-004

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