

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0428203223](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Sr.™ Power Connectors  
**Description:** 10.00mm Pitch Mini-Fit Sr.™ Header, Single Row, Right Angle, 2.36mm PCB Thickness, 0.76µm Gold (Au) Selective Plating, 3 Circuits

**Documents:**

[3D Model](#) [Packaging Specification PK-42820-910 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-42815-001 \(PDF\)](#)

**Agency Certification**

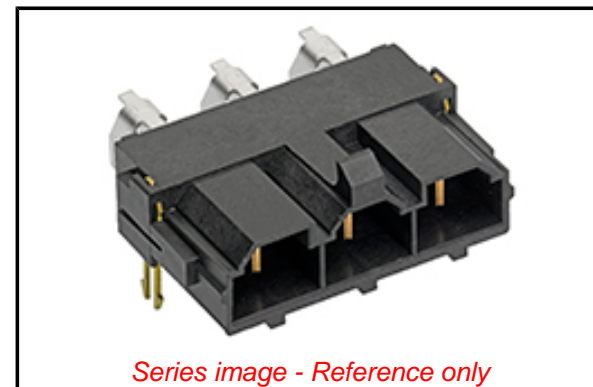
CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [42820](#)  
 Application Power, Wire-to-Board  
 Overview [Mini-Fit Sr.™ Power Connectors](#)  
 Product Name Mini-Fit Sr.™  
 UPC 800756513942

**Physical**

Breakaway No  
 Circuits (Loaded) 3  
 Circuits (maximum) 3  
 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 9.731/g  
 Number of Rows 1  
 Orientation Right Angle  
 PC Tail Length 5.10mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 2.36mm  
 Packaging Type Tube  
 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**

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**

[42820](#) 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**

Packaging Specification PK-42820-910

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

This document was generated on 06/10/2016

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**