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**Part Number:** **0428204213**  
**Status:** **Active**  
**Overview:** Mini-Fit Sr. Power Connectors  
**Description:** 10.00mm Pitch Mini-Fit Sr. Header, Single Row, Right-Angle, 1.57mm PCB Thickness, 0.76µm Gold (Au) Selective Plating, 4 Circuits

**Documents:**

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

**Agency Certification**

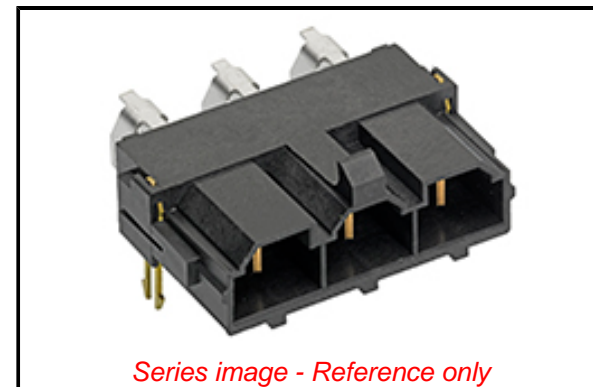
CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series 42820  
 Application Power, Wire-to-Board  
 Overview Mini-Fit Sr. Power Connectors  
 Product Name Mini-Fit Sr.  
 UPC 800756515779

**Physical**

Breakaway No  
 Circuits (Loaded) 4  
 Circuits (maximum) 4  
 Color - Resin Black  
 Durability (mating cycles max) 100  
 First Mate / Last Break No  
 Flammability 94V-0  
 Glow-Wire Capable 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 12.454/g  
 Number of Rows 1  
 Orientation Right Angle  
 PC Tail Length 3.50mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.57mm  
 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° to +105°C



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ED/61/2018 (27 June  
 2018)

**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

Prop65

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Compliant

Not Contained

**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-42820-910-001  
Product Specification PS-42815-001  
Sales Drawing SDA-42820-0002

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