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**Part Number:** [0428204214](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Sr. Power Connectors  
**Description:** 10.00mm Pitch Mini-Fit Sr. Header, Single Row, Right-Angle, 1.57mm PCB Thickness, Silver (Ag) Plating, 4 Circuits

**Documents:**

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

**Agency Certification**

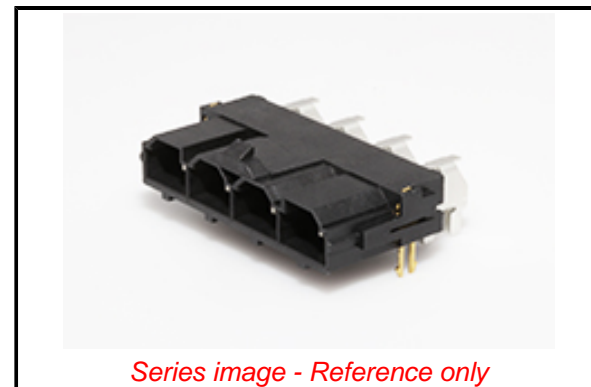
CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [42820](#)  
 3D Viewer Yes  
 Application Power, Wire-to-Board  
 CURRENT-MAX-NUMERIC 50.0  
 Overview Mini-Fit Sr. Power Connectors  
 PITCH-MATING-NUMERIC 10.00  
 Product Name Mini-Fit Sr.  
 UPC 889056246897

**Physical**

Breakaway No  
 Circuits (Loaded) 4  
 Circuits (maximum) 4  
 Color - Resin Black  
 Durability (mating cycles max) 30  
 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 Silver over Nickel  
 Material - Plating Termination Tin over Nickel  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 12.558/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 2.540µm  
 Plating min - Termination 2.540µm  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Shrouded Fully  
 Stackable No



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ED/71/2019 (16 July  
 2019)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[42820 Series](#)

**Mates With**

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

Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +105°C
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-42815-001-001
Sales Drawing	SDA-42820-0002-001

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