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**Part Number:** [0428196223](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Sr.™ Power Connectors  
**Description:** 10.00mm Pitch Mini-Fit Sr.™ Header, Single Row, Vertical, 2.36mm PCB Thickness, 0.76µm Gold (Au) Selective Plating, 6 Circuits

**Documents:**

[3D Model](#) [Packaging Specification PK-42819-2375 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-42815-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
TUV R72081037  
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 800756513805

**Physical**

Breakaway No  
Circuits (Loaded) 6  
Circuits (maximum) 6  
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 14.068/g  
Number of Rows 1  
Orientation Vertical  
PC Tail Length 5.10mm  
PCB Locator Yes  
PCB Retention Yes  
PCB Thickness - Recommended 2.36mm  
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



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2017 (12  
January 2017)

**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 Green Image  
ELV Not Relevant  
RoHS Phthalates Not Contained

**Search Parts in this Series**

[42819 Series](#)

**Mates With**

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

Temperature Range - Operating	-40°C 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**

Packaging Specification	PK-42819-2375
Product Specification	PS-42815-001
Sales Drawing	SDA-42819-0002

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