

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

**Part Number:** [0428205223](#)  
**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, 5 Circuits  
**Replacement Part Number:** <http://www.molex.com/molex/products/listview.jsp?channel=Products&sType=p&query=042820522342820-5223> (Gold)

**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**

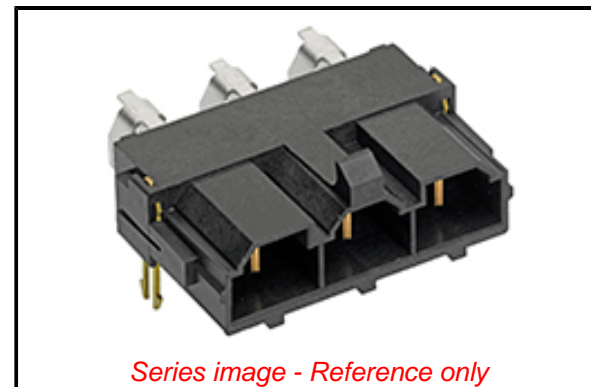
CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [42820](#)  
 Application Power, Wire-to-Board  
 Overview [Mini-Fit Sr. Power Connectors](#)  
 Product Name Mini-Fit Sr.  
 Replacement Part Number [42820-5223](#) (Gold)  
 Replacement Part Number [42820-5224](#) (Silver)  
 UPC 800756515823

**Physical**

Breakaway No  
 Circuits (Loaded) 5  
 Circuits (maximum) 5  
 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 15.476/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



*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**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[42820 Series](#)

**Mates With**

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

Shrouded	Fully
Stackable	No
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**

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

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