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Part Number: **0428205233**
Status: **Active**
Overview: Mini-Fit Sr. Power Connectors
Description: 10.00mm Pitch Mini-Fit Sr.™ Header, Single Row, Right Angle, 3.18mm PCB Thickness, 0.76µm Gold (Au) Selective Plating, 5 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

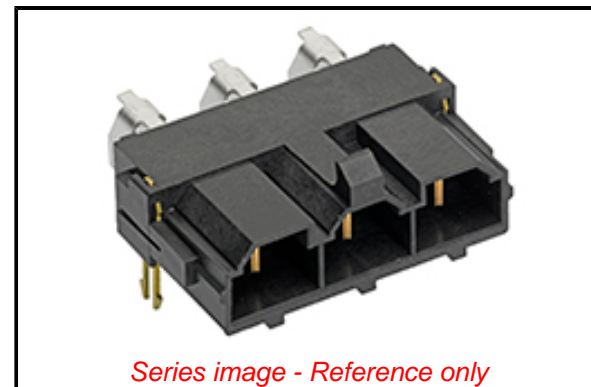
CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [42820](#)
 Application Power, Wire-to-Board
 Overview [Mini-Fit Sr. Power Connectors](#)
 Product Name Mini-Fit Sr.™
 UPC 800756516035

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 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 16.218/g
 Number of Rows 1
 Orientation Right Angle
 PC Tail Length 5.10mm
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 3.18mm
 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/30/2017 (7 July
 2017)

Halogen-Free

Status

Not Low-Halogen

**Need more information on product
 environmental compliance?**

Email productcompliance@molex.com
 Please visit the [Contact Us](#) section for any
 non-product compliance questions.

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](#)

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

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