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Part Number: [0428193213](#)
Status: **Active**
Overview: Mini-Fit Sr.™ Power Connectors
Description: 10.00mm Pitch Mini-Fit Sr.™ Header, Single Row, Vertical, 1.57mm PCB Thickness, 0.76µm Gold (Au) Selective Plating, 3 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

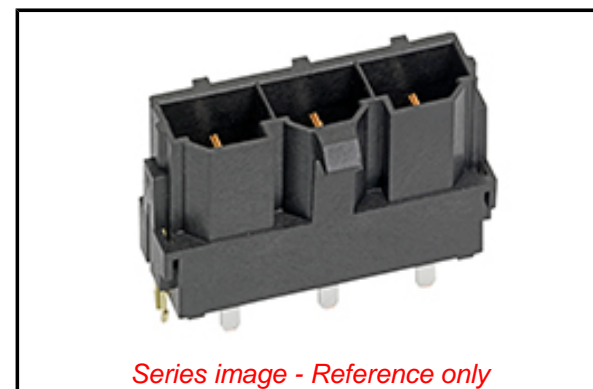
CSA LR19980
TUV R72081037
UL E29179

General

Product Family PCB Headers
Series [42819](#)
Application Power, Wire-to-Board
Overview [Mini-Fit Sr.™ Power Connectors](#)
Product Name Mini-Fit Sr.™
UPC 800756513454

Physical

Breakaway No
Circuits (Loaded) 3
Circuits (maximum) 3
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 7.363/g
Number of Rows 1
Orientation Vertical
PC Tail Length 3.50mm
PCB Locator Yes
PCB Retention Yes
PCB Thickness - Recommended 1.57mm
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



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/79/2015 (17
December 2015)

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

Green Image

Not Relevant

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, RPS-42815-011, RPS-42815-012,
RPS-42815-013, RPS-42815-014
Sales Drawing SDA-42819-0002

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