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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

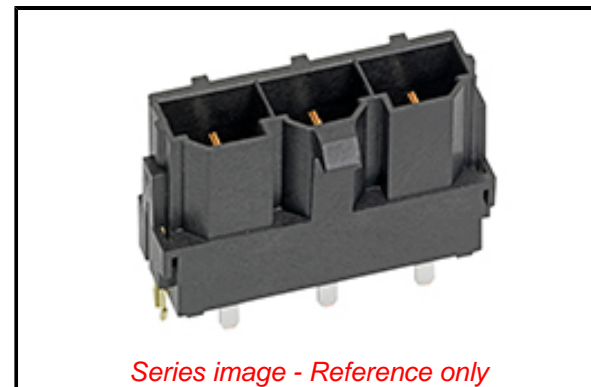
CSA LR19980
TUV R72081037
UL E29179

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/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	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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