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Part Number: [0428193214](#)
Status: **Active**
Overview: [Mini-Fit Sr. Power Connectors](#)
Description: 10.00mm Pitch Mini-Fit Sr. Header, Single Row, Vertical, 1.57mm PCB Thickness, Silver (Ag) Plating, 3 Circuits

Documents:

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

Agency Certification

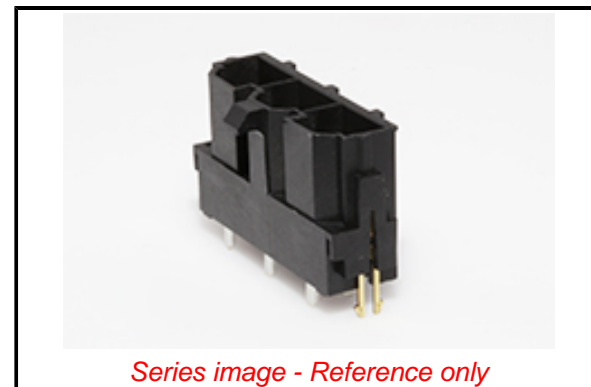
UL E29179

General

Product Family PCB Headers
Series [42819](#)
3D Viewer Yes
Application Power, Wire-to-Board
CURRENT-MAX-NUMERIC 50.0
Overview [Mini-Fit Sr. Power Connectors](#)
PITCH-MATING-NUMERIC 10.00
Product Name Mini-Fit Sr.
UPC 889056246125

Physical

Breakaway No
Circuits (Loaded) 3
Circuits (maximum) 3
Color - Resin Black
Durability (mating cycles max) 30
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 Silver over Nickel
Material - Plating Termination Tin over Nickel
Material - Resin High Temperature Thermoplastic
Net Weight 7.404/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 2.540µm
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/71/2019 (16 July
2019)

Halogen-Free

Status

Not Low-Halogen

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

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[42819 Series](#)

Mates With

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

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-freeProcess Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	235

Material Info**Reference - Drawing Numbers**

Product Specification	PS-42815-001-001
Sales Drawing	SDA-42819-0002-001

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