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Part Number: [0428194213](#)
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, 4 Circuits

Documents:

[3D Model](#) [Packaging Specification PK-42819-2375-001 \(PDF\)](#)
[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	800756513492

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
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	9.556/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



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

[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

Packaging Specification PK-42819-2375-001
Product Specification PS-42815-001
Sales Drawing SDA-42819-0002-001

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