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Part Number: [0428206214](#)
Status: **Active**
Overview: Mini-Fit Sr. Power Connectors
Description: 10.00mm Pitch Mini-Fit Sr. Header, Single Row, Right-Angle, 1.57mm PCB Thickness, Silver (Ag) Plating, 6 Circuits

Documents:

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

Agency Certification

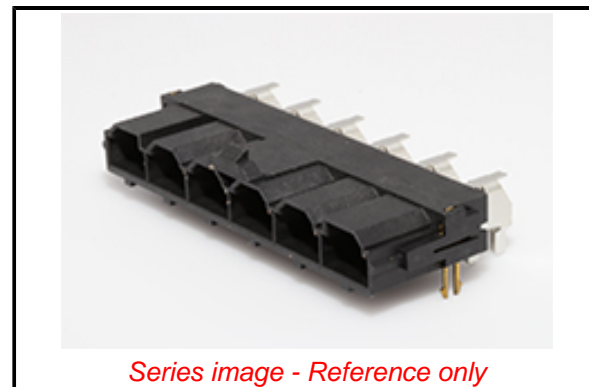
CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [42820](#)
 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 889056247078

Physical

Breakaway No
 Circuits (Loaded) 6
 Circuits (maximum) 6
 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 18.272/g
 Number of Rows 1
 Orientation Right Angle
 PC Tail Length 3.50mm
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 1.57mm
 Packaging Type Tube
 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



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

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](#)

Surface Mount Compatible (SMC)	No
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-free Process 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-42820-0002-001

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