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Part Number: **0428205213**
Status: **Active**
Overview: Mini-Fit Sr. Power Connectors
Description: 10.00mm Pitch Mini-Fit Sr. Header, Single Row, Right-Angle, 1.57mm PCB Thickness, 0.76µm Gold (Au) Selective Plating, 5 Circuits

Documents:

[3D Model](#) [Packaging Specification PK-42820-910-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-42815-001 \(PDF\)](#)

Agency Certification

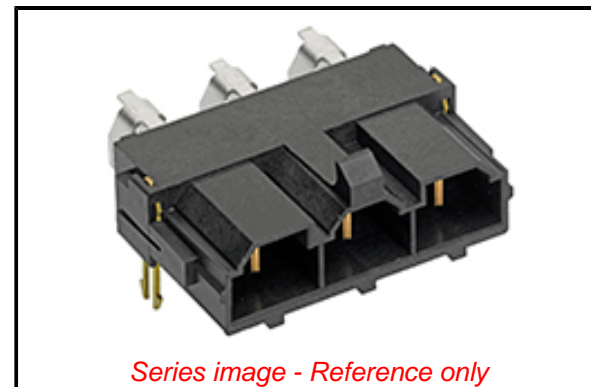
CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series 42820
 Application Power, Wire-to-Board
 Overview Mini-Fit Sr. Power Connectors
 Product Name Mini-Fit Sr.
 UPC 800756515816

Physical

Breakaway No
 Circuits (Loaded) 5
 Circuits (maximum) 5
 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 15.169g
 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 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
 Temperature Range - Operating -40° to +105°C



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
 -ED/88/2018 (15
 January 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

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-42820-910-001
Product Specification PS-42815-001
Sales Drawing SDA-42820-0002

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