

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0428206244](#)
Status: **Active**
Overview: Mini-Fit Sr. Power Connectors
Description: 10.00mm Pitch Mini-Fit Sr. Header, Single Row, Right-Angle, 6.35mm PCB Thickness, Silver (Ag) Plating, 6 Circuits

Documents:

[Drawing \(PDF\)](#) [Test Summary TS-42815-004-001 \(PDF\)](#)
[Product Specification PS-42815-001-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

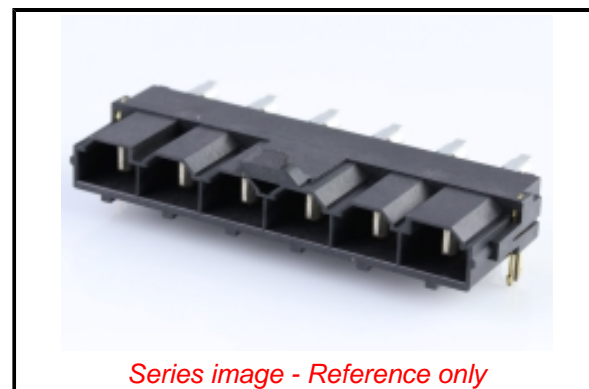
CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [42820](#)
 Application Power, Wire-to-Board
 Overview [Mini-Fit Sr. Power Connectors](#)
 Product Name Mini-Fit Sr.
 UPC 889056247108

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
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Net Weight 19.454/g
 Number of Rows 1
 Orientation Right Angle
 PC Tail Length 8.30mm
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 6.35mm
 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
 Surface Mount Compatible (SMC) No
 Temperature Range - Operating -40° to +105°C
 Termination Interface: Style Through Hole



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 D(2020)4578-DC (25
 June 2020)

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](#)

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-42820-0002-001
Test Summary	TS-42815-004-001

This document was generated on 09/29/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION