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Part Number: 0428202223
Status: Active
Overview: Mini-Fit Sr. Power Connectors
Description: 10.00mm Pitch Mini-Fit Sr. Header, Single Row, Right-Angle, 2.36mm PCB Thickness, 0.76µm Gold (Au) Selective Plating, 2 Circuits

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

Agency Certification

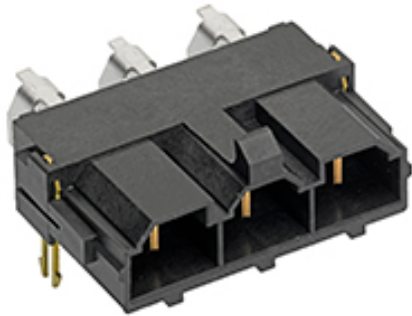
CSA LR19980
UL E29179

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 800756513898

Physical

Breakaway No
Circuits (Loaded) 2
Circuits (maximum) 2
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 6.975/g
Number of Rows 1
Orientation Right Angle
PC Tail Length 5.10mm
PCB Locator Yes
PCB Retention Yes
PCB Thickness - Recommended 2.36mm
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



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

China ROHS Green Image
ELV Not Relevant
RoHS Phthalates Not Contained

Search Parts in this Series

42820 Series

Mates With

Mini-Fit Sr. Receptacle Housing with TPA
42816

Stackable	No
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-freeProcess 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-42820-0002-001

This document was generated on 07/26/2019

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