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Part Number: [42820-6223](#)
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, 6 Circuits

Documents:

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

Agency Certification

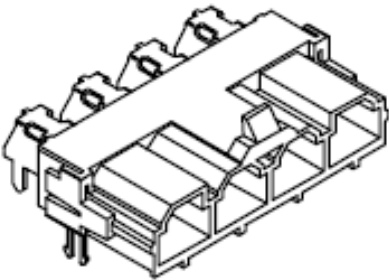
CSA	LR19980
TUV	R72131193
UL	E29179

General

Product Family	PCB Headers
Series	42820
Application	Power, Wire-to-Board
Overview	Mini-Fit Sr.™ Power Connectors
Product Name	Mini-Fit Sr.™
UPC	800756516011

Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	18.478/g
Number of Rows	1
Orientation	Right Angle
PC Tail Length	5.10mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.40mm
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



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

**Contains SVHC: No
Low-Halogen Status
Not Low-Halogen**

China RoHS



**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series

[42820Series](#)

Mates With

**42816 Mini-Fit Sr.™ Receptacle Housing
with TPA**

Temperature Range - Operating
Termination Interface: Style

-40°C to +105°C
Through Hole

Electrical

Current - Maximum per Contact
Voltage - Maximum

50A
600V

Solder Process Data

Duration at Max. Process Temperature (seconds)
Lead-free Process Capability
Max. Cycles at Max. Process Temperature
Process Temperature max. C

3
Wave Capable (TH only)
1
265

Material Info

Reference - Drawing Numbers

Product Specification

Sales Drawing

PS-42815-001, RPS-42815-011, RPS-42815-012,
RPS-42815-013, RPS-42815-014
SDA-42820-0002

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