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Part Number: [42820-4243](#)
Status: **Active**
Overview: Mini-Fit Sr.™ Power Connectors
Description: 10.00mm Pitch Mini-Fit Sr.™ Header, Single Row, Right Angle, 6.35mm PCB Thickness, 0.76µm Gold (Au) Selective Plating, 4 Circuits

Documents:

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

Agency Certification

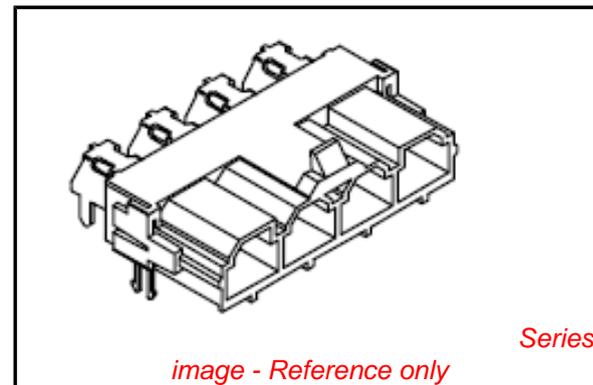
CSA	LR19980
TUV	R72131193
UL	E29179

General

Product Family	PCB Headers
Series	42820
Application	Power, Wire-to-Board
Overview	Mini-Fit Sr.™ Power Connectors
Product Name	Mini-Fit Sr.™
UPC	800756515809

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
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	13.424/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
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole



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](#)

Electrical

Current - Maximum per Contact	50A
Voltage - Maximum	600V

Solder Process Data

Duration at Max. Process Temperature (seconds)	3
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	265

Material Info**Reference - Drawing Numbers**

Product Specification	PS-42815-001, RPS-42815-011, RPS-42815-012, RPS-42815-013, RPS-42815-014
Sales Drawing	SDA-42820-0002

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