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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:

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

Agency Certification

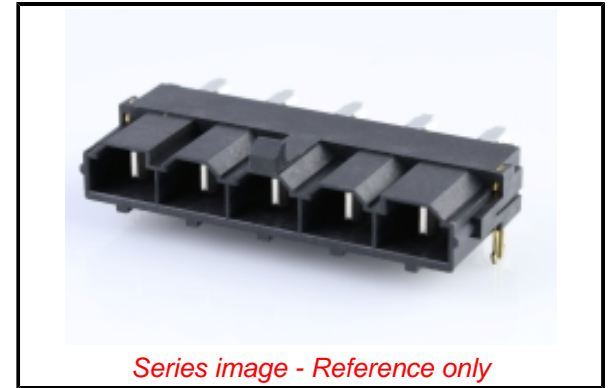
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	42820
Application	Power, Wire-to-Board
Overview	Mini-Fit Sr. Power Connectors
Product Name	Mini-Fit Sr.
Taxonomy	PCB Headers and Receptacles
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
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	15.169/g
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



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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](#)

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-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-42815-001-001
Sales Drawing	SDA-42820-0002-001

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