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Part Number:

0428194214

Status:

Active

Overview:

Mini-Fit Sr.™ Power Connectors

Description:

10.00mm Pitch Mini-Fit Sr.™ Header, Single Row, Vertical, 1.57mm PCB Thickness, Silver (Ag) Plating, 4 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-42815-001 (PDF)

Product Specification TS-42815-004-001 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Headers
Series	42819
Application	Power, Wire-to-Board
Overview	Mini-Fit Sr.™ Power Connectors
Product Name	Mini-Fit Sr.™
UPC	889056246163
Physical	
Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
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	Silver over Nickel
Material - Plating Termination	Tin over Nickel
Material - Resin	High Temperature Thermoplastic
Net Weight	9.608/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	3.50mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
Packaging Type	Tray
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°C to +105°C
Termination Interface: Style	Through Hole

Electrical	
Current - Maximum per Contact	50.0A
Voltage - Maximum	600V



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

China RoHS

Compliant

REACH SVHC

Not Contained Per

-ED/01/2017 (12

January 2017)

Halogen-Free

Status

Not Low-Halogen

Need more information on product

environmental compliance?

Email productcompliance@molex.com

Please visit the [Contact Us](#) section for any

non-product compliance questions.

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

42819 Series

Mates With

Mini-Fit Sr.™ Receptacle Housing with TPA

42816

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, TS-42815-004-001
Sales Drawing	SDA-42819-0002

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