

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0428160512](#)
Status: **Active**
Overview: [Mini-Fit Sr. Power Connectors](#)
Description: 10.00mm Pitch Mini-Fit Sr. Receptacle Housing, Single Row, 5 Circuit, Black

Documents:

3D Model (PDF)	Product Specification TS-42815-001-001 (PDF)
3D Model	Packaging Specification PK-42816-002-001 (PDF)
Drawing (PDF)	Test Summary TS-42815-004-001 (PDF)
Product Specification PS-42815-001-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Crimp Housings
Series	42816
Application	Power, Wire-to-Board, Wire-to-Wire
Overview	Mini-Fit Sr. Power Connectors
Product Name	Mini-Fit Sr.
UPC	800754381819

Physical

Circuits (maximum)	5
Color - Resin	Black
Flammability	94V-0
Gender	Receptacle
Glow-Wire Capable	No
Lock to Mating Part	Yes
Material - Resin	Polyester
Net Weight	10.120/g
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface	10.00mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-40° to +105°C

Electrical

Current - Maximum per Contact	50.0A
-------------------------------	-------

Solder Process Data

Lead-freeProcess Capability	N/A
-----------------------------	-----

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-42816-002-001
Product Specification	PS-42815-001-001, TS-42815-001-001
Sales Drawing	428160002-SD-000
Test Summary	TS-42815-004-001



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

[42816](#) Series

Mates With

Mini-Fit Sr. Plug Housing [42818](#) . Mini-Fit Sr.
Header [42819](#) , [42820](#)

Use With

Terminal Position Assurance (TPA) Clip
Included. [42815](#) Female Crimp Terminal

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[42816-0512](#)