

**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 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Test Summary TS-42815-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-42815-004 (PDF)</a>
<a href="#">Packaging Specification PK-42816-002 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	Crimp Housings
Series	42816
Application	Power, Wire-to-Board
Overview	<a href="#">Mini-Fit Sr.™ Power Connectors</a>
Product Name	Mini-Fit Sr.™
UPC	800754381819

**Physical**

Circuits (maximum)	5
Color - Resin	Black
Flammability	94V-0
Gender	Female
Glow-Wire Compliant	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°C to +105°C

**Electrical**

Current - Maximum per Contact	50.0A
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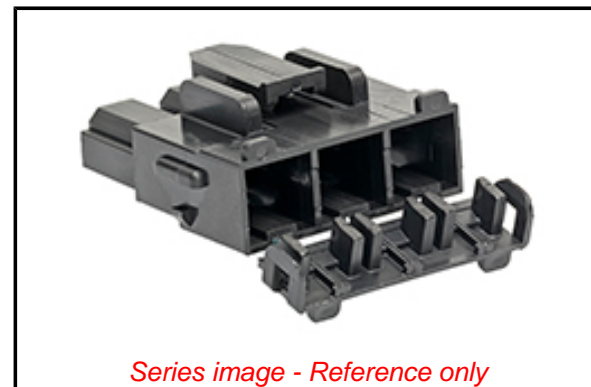
**Solder Process Data**

Lead-free Process Capability	N/A
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**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	PK-42816-002
Product Specification	RPS-42815-001, RPS-42815-011, RPS-42815-012, RPS-42815-013, RPS-42815-014, RPS-42815-015
Sales Drawing	SD-42816-***2
Test Summary	TS-42815-001, TS-42815-004



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/79/2015 (17  
December 2015)

**Halogen-Free**

**Status**

**Not Low-Halogen**

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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

China ROHS

ELV

Green Image

Not Relevant

**Search Parts in this Series**

[42816](#) Series

**Mates With**

[42818-0512](#) , [42819](#) 5 Circuit Vertical  
Headers, [42820](#) 5 Circuit Right Angle  
Headers

**Use With**

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