

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0428180612](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Sr. Power Connectors  
**Description:** 10.00mm Pitch Mini-Fit Sr. Plug Housing, Single Row, Panel Mount, 6 Circuit, Black

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-42818-002-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-42815-001 (PDF)</a>
<a href="#">Product Specification PS-42815-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	Crimp Housings
Series	<a href="#">42818</a>
Application	Power, Wire-to-Board
Overview	<a href="#">Mini-Fit Sr. Power Connectors</a>
Product Name	Mini-Fit Sr.
UPC	800754382229

**Physical**

Circuits (maximum)	6
Color - Resin	Black
Flammability	94V-0
Gender	Plug
Glow-Wire Capable	No
Lock to Mating Part	Yes
Material - Resin	Polyester
Net Weight	12.489/g
Number of Rows	1
Packaging Type	Bag
Panel Mount	Yes
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
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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-42818-002-001
Product Specification	PS-42815-001
Sales Drawing	SD-42818-XXX2
Test Summary	TS-42815-001



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/88/2018 (15  
January 2019)

**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**

[42818 Series](#)

**Mates With**

[428160612](#)

**Use With**

Terminal Position Assurance (TPA) Clip  
Included. [42817 Male Crimp Terminals](#)