

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

**Part Number:** **0428180412**  
**Status:** **Active**  
**Overview:** Mini-Fit Sr. Power Connectors  
**Description:** 10.00mm Pitch Mini-Fit Sr. Plug Housing, Single Row, Panel Mount, 4 Circuit, Black

**Documents:**

[3D Model](#) [Test Summary TS-42815-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Packaging Specification PK-42818-002-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Crimp Housings  
 Series [42818](#)  
 Application Power, Wire-to-Board  
 Overview [Mini-Fit Sr. Power Connectors](#)  
 Product Name Mini-Fit Sr.  
 UPC 800754382106

**Physical**

Circuits (maximum) 4  
 Color - Resin Black  
 Flammability 94V-0  
 Gender Plug  
 Glow-Wire Capable No  
 Lock to Mating Part Yes  
 Material - Resin Polyester  
 Net Weight 9.089/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

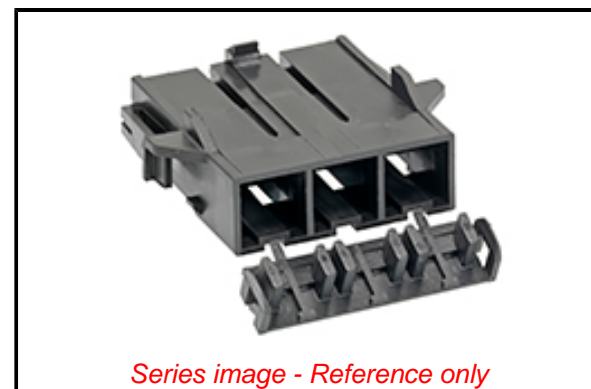
**Solder Process Data**

Lead-freeProcess Capability N/A

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification PK-42818-002-001  
 Sales Drawing SD-42818-\*\*\*2  
 Test Summary TS-42815-001



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
 -ED/01/2018 (15  
 January 2018)

**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**

[42816-0412](#)

**Use With**

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