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**Part Number:** [42816-0512](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Sr.™ Power Connectors  
**Description:** 10.00mm Pitch Mini-Fit Sr.™ Receptacle Housing, Single Row, 5 Circuits

**Documents:**  
[3D Model](#) [Packaging Specification PK-42816-002 \(PDF\)](#)  
[Drawing \(PDF\)](#) [Test Summary TS-42815-001 \(PDF\)](#)  
[Product Specification PS-42815-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

|     |           |
|-----|-----------|
| CSA | LR19980   |
| TUV | R72131193 |
| UL  | E29179    |

**General**

|                |                                                |
|----------------|------------------------------------------------|
| Product Family | Crimp Housings                                 |
| Series         | <a href="#">42816</a>                          |
| 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 |

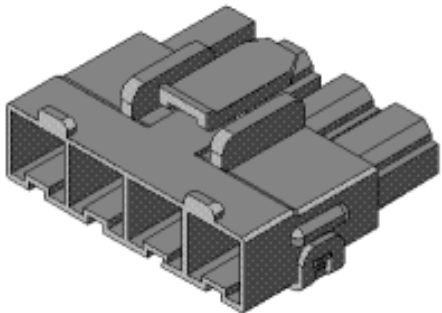
**Electrical**

|                               |     |
|-------------------------------|-----|
| Current - Maximum per Contact | 50A |
|-------------------------------|-----|

**Material Info**

**Reference - Drawing Numbers**

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



Series

image - Reference only

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Not Low-Halogen**

**China RoHS**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
[42816Series](#)

**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