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**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:**

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

**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |                                               |
|----------------|-----------------------------------------------|
| Product Family | Crimp Housings                                |
| Series         | <a href="#">42816</a>                         |
| Application    | Power, Wire-to-Board, Wire-to-Wire            |
| 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                        | 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-42815-001-001, TS-42815-004-001 |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 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

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