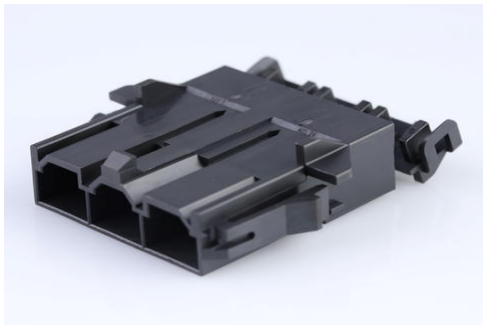




**Part Number :** [428180312](#)  
**Product Description :** 10.00mm Pitch Mini-Fit Sr.  
Plug Housing, Single Row, Panel Mount, 3 Circuit, Black  
**Series Number :** 42818  
**Status :** Active  
**Product Category :** Connector Housings



## Documents & Resources

### Drawings

[428180312\\_sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

### Specifications

[PK-42818-002-001.pdf](#)

[PS-42815-001-001.pdf](#)

[TS-42815-001-001.pdf](#)

[TS-42815-004-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                                 |
| China RoHS         | <br>per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                                 |
| Low-Halogen Status | Not Low-Halogen per IEC<br>61249-2-21                                                                        |
| REACH SVHC         | Not Contained per D(2025)4165-DC<br>(25 June 2025)                                                           |
| EU RoHS            | Compliant per EU 2015/863                                                                                    |

[Compliance Statements](#)

- EU RoHS
- REACH SVHC
- Low-Halogen

#### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

## Part Details

### General

|              |                                                                                    |
|--------------|------------------------------------------------------------------------------------|
| Status       | Active                                                                             |
| Category     | Connector Housings                                                                 |
| Series       | 42818                                                                              |
| Description  | 10.00mm Pitch Mini-Fit Sr. Plug Housing, Single Row, Panel Mount, 3 Circuit, Black |
| Application  | Power, Wire-to-Board                                                               |
| Product Name | Mini-Fit Sr.                                                                       |
| UPC          | 800754382045                                                                       |

### Agency

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

### Physical

|                     |       |
|---------------------|-------|
| Circuits (maximum)  | 3     |
| Color - Resin       | Black |
| Flammability        | 94V-0 |
| Gender              | Plug  |
| Glow-Wire Capable   | No    |
| Lock to Mating Part | Yes   |

|                               |                |
|-------------------------------|----------------|
| Material - Resin              | Polyester      |
| Net Weight                    | 7.000/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 |

### Solder Process Data

|                              |     |
|------------------------------|-----|
| Lead-Free Process Capability | N/A |
|------------------------------|-----|

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## Mates With / Use With

### Mates with Part(s)

| Description                                                                                                                 | Part Number                      |
|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| 10.00mm Pitch Mini-Fit Sr. Receptacle Housing, Single Row, 3 Circuit, Black                                                 | <a href="#"><u>428160312</u></a> |
| Mini-Fit Sr.-to-Mini-Fit Sr. Off-the-Shelf (OTS) Cable Assembly, 10.00mm Pitch, Single Row, 0.15m Length, 3 Circuits, Black | <a href="#"><u>369240301</u></a> |
| Mini-Fit Sr.-to-Mini-Fit Sr. Off-the-Shelf (OTS) Cable Assembly, 10.00mm Pitch, Single Row, 0.30m Length, 3 Circuits, Black | <a href="#"><u>369240303</u></a> |
| Mini-Fit Sr.-to-Mini-Fit Sr. Off-the-Shelf (OTS) Cable Assembly, 10.00mm Pitch, Single Row, 1.0m Length, 3 Circuits, Black  | <a href="#"><u>369240310</u></a> |

### Use with Part(s)

| Description                       | Part Number                       |
|-----------------------------------|-----------------------------------|
| Mini-Fit Sr. Male Crimp Terminals | <a href="#"><u>42817</u></a>      |
| Use With                          | Terminal Position Assurance (TPA) |

|  |               |
|--|---------------|
|  | Clip Included |
|--|---------------|

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This document was generated on Sep 24, 2025