Part Number : 15060245

Product Description : Mini-Fit BMI Plug Housing, 4.20mm Pitch Dual Row with Panel Mount Ears, PA Polyamide Nylon 6/6, UL 94V-2, 24 Circuits

Series Number : 42475

Status : Active

Product Category : Connector Housings

Engineering Number : 42475-2411

## Documents & Resources

### Drawings

Drawing_015060245_sd.pdf

### 3D Models and Design Files

3D Model_015060245_stp.zip

### Specifications

Packaging Specification_PK-42474-001-001.pdf
Product Specification_PS-45750-001-001.pdf
Product Specification_55560002-PS-CH-000.pdf
Product Specification_55560002-PS-ES-000.pdf
Product Specification_55560002-PS-SK-000.pdf
Product Specification_PS-5556-002-001.pdf
Test Summary_TS-42475-001-001.pdf
Test Summary_TS-5556-002-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2024)4144-DC (27 June 2024) |
| EU RoHS | Compliant per EU 2015/863 |

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

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

EU RoHS Certificate of Compliance

## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | Connector Housings |
| Series | 42475 |
| Description | Mini-Fit BMI Plug Housing, 4.20mm Pitch Dual Row with Panel Mount Ears, PA Polyamide Nylon 6/6, UL 94V-2, 24 Circuits |
| Application | Power, Wire-to-Board, Wire-to-Wire |
| Comments | Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 series terminals crimped to 16 AWG wire. See Molex product specification PS-45750-001 for additional current derating information. |
| Product Family | Mini-Fit Family Power Connectors |
| Product Name | Mini-Fit BMI |
| UPC | 800755672725 |

### Agency

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

### Physical

| | |
|---|---|
| Circuits (maximum) | 24 |
| Color - Resin | Natural |
| Flammability | 94V-2 |
| Gender | Plug |
| Glow-Wire Capable | No |

| | |
|---|---|
| Lock to Mating Part | Yes |
| Material - Resin | Nylon |
| Net Weight | 8.360/g |
| Number of Rows | 2 |
| Packaging Type | Bag |
| Panel Mount | Yes |
| Pitch - Mating Interface | 4.20mm |
| Pitch - Termination Interface | 4.20mm |
| Polarized to Mating Part | Yes |
| Stackable | No |
| Temperature Range - Operating | -40° to +105°C |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Mini-Fit BMI Receptacle Housing, 4.20mm Pitch, Dual Row with Panel Mount Ears, PA Polyamide Nylon 6/6, UL 94V-2, 24 Circuits | 15060240 |
| Mini-Fit Jr. Receptacle Housing, Dual Row, 24 Circuits, UL 94V-2, Natural | 39012240 |
| Mini-Fit HCS Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, Blind Mating, with Snap-in Plastic Pegs, 24 Circuits | 444752411 |
| Mini-Fit BMI Receptacle Housing, 4.20mm Pitch, Dual Row, Panel Mount, Slide-and-Lock, Nylon 6/6, UL 94V-0, 18 Circuits | 445160009 |
| Mini-Fit BMI Vertical Dual Row Receptacle Headers | 42385 |

### Use with Part(s)

| Description | Part Number |
|---|---|
| Pre-Crimped Lead Mini-Fit Male-to-Mini-Fit Male, Tin (Sn) Plating, 150.00mm Length, 18 AWG, Red | /content/molex/molex-dot-com/us/en/products/product-page.html/797580005.html |
| Pre-Crimped Lead Mini-Fit Male-to-Mini-Fit Male, Tin (Sn) Plating, 300.00mm Length, 18 AWG, Red | /content/molex/molex-dot-com/us/en/products/product-page.html/797580013.html |

| | |
|---|---|
| Mini-Fit Male Crimp Terminals | 5558 |
| Mini-Fit Plus Male Crimp Terminals | 46012 |