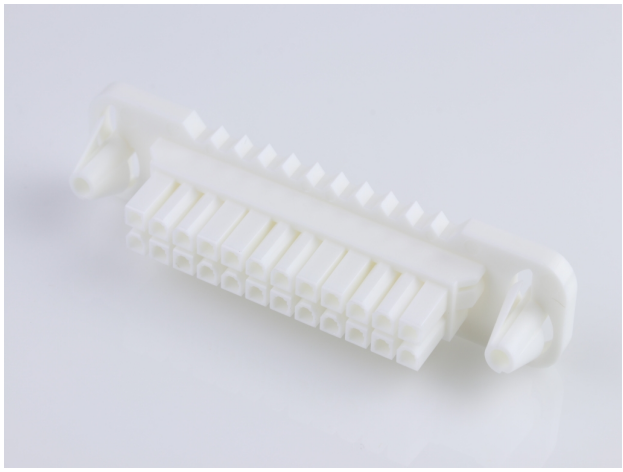
Part Number : 15060241
Product Description : Mini-Fit BMI Receptacle Housing, 4.20mm Pitch, Dual Row with Panel Mount Ears, PA Polyamide Nylon 6/6, UL 94V-0, 24 Circuits
Series Number : 42474
Status : Active
Product Category : Connector Housings
Engineering Number : 42474-2421



## Documents & Resources

### Drawings
015060241_sd.pdf

### 3D Models and Design Files
015060241_stp.zip

### Specifications
PK-42474-001-001.pdf
PS-45750-001-001.pdf
55560002-PS-CH-000.pdf
55560002-PS-ES-000.pdf
55560002-PS-SK-000.pdf
PS-5556-002-001.pdf
TS-5556-002-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | |
| EU ELV | Not saleable |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2024)6225-DC (07 Nov 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 | 42474 |
| Description | Mini-Fit BMI Receptacle Housing, 4.20mm Pitch, Dual Row with Panel Mount Ears, PA Polyamide Nylon 6/6, UL 94V-0, 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 Name | Mini-Fit BMI |
| UPC | 800755488975 |

### Agency

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

### Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (maximum) | 24 |

| | |
|---|---|
| Color - Resin | Natural (White) |
| Flammability | 94V-0 |
| Gender | Receptacle |
| Glow-Wire Capable | No |
| Lock to Mating Part | None |
| Material - Resin | Nylon |
| Net Weight | 7.880/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 |

### Solder Process Data

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

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Mini-Fit BMI Dual Row Plug Housings | 42475 |
| Mini-Fit BMI Vertical Dual Row Headers | 43879 |
| Mini-Fit BMI Right-Angle Dual Row Headers | 42404 |
| Mini-Fit BMI Vertical Dual Row Headers | 42440 |
| Mini-Fit BMI Right-Angle Dual Row Headers | 43810 |
| Mini-Fit BMI Vertical Dual Row Headers | 44068 |

### Use with Part(s)

| Description | Part Number |
|---|---|

| | |
|---|---|
| Pre-Crimped Lead Mini-Fit Female-to-Mini-Fit Female, Tin (Sn) Plating, 150.00mm Length, 18 AWG, Red | 797580001 |
| Pre-Crimped Lead Mini-Fit Female-to-Mini-Fit Female, Tin (Sn) Plating, 300.00mm Length, 18 AWG, Red | 797580009 |
| Mini-Fit Female Crimp Terminals | 5556 |
| Mini-Fit Plus Female Crimp Terminals | 45750 |