

Part Number : <u>15060245</u>

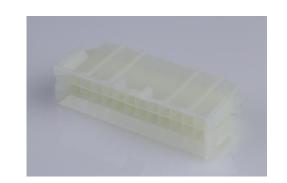
Product Description : Mini-Fit BMI Plug Housing, 4.20mm Pitch Dual Row with Panel Mount Ears, PA

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

015060245 sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

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-42475-001-001.pdf

TS-5556-002-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	⊚ per SJ/T 11365-2006
EU ELV	Not Relevant

Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (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	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 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	<u>15060240</u>
Mini-Fit Jr. Receptacle Housing, Dual Row, 24 Circuits, UL 94V-2, Natural	<u>39012240</u>
Mini-Fit HCS Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, Blind Mating, with Snap-in Plastic Pegs, 24 Circuits	<u>444752411</u>

Mini-Fit BMI Receptacle Housing, 4.20mm Pitch, Dual Row, Panel Mount, Slide-and-Lock, Nylon 6/6, UL 94V-0, 18 Circuits	<u>445160009</u>
Mini-Fit BMI Vertical Dual Row Receptacle Headers	<u>42385</u>

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	<u>797580005</u>
Pre-Crimped Lead Mini-Fit Male-to- Mini-Fit Male, Tin (Sn) Plating, 300.00mm Length, 18 AWG, Red	<u>797580013</u>
Mini-Fit Male Crimp Terminals	<u>5558</u>
Mini-Fit Plus Male Crimp Terminals	<u>46012</u>

This document was generated on Aug 04, 2025