



Part Number : [445160013](#)

Product Description : Mini-Fit BMI Receptacle Housing, 4.20mm Pitch, Dual Row, Panel Mount, Slide-and-Lock, PBT Polyester, UL 94V-0, 36 Circuits

Series Number : 44516

Status : Active

Product Category : Connector Housings

Documents & Resources

Drawings

[Drawing 445160013_sd.pdf](#)

[Packaging Design Drawing PK-44516-003-001.pdf](#)

3D Models and Design Files

[3D Model 445160013_stp.zip](#)

Specifications

[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-5556-002-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 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	44516
Description	Mini-Fit BMI Receptacle Housing, 4.20mm Pitch, Dual Row, Panel Mount, Slide-and-Lock, PBT Polyester, UL 94V-0, 36 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. Must be used with HCS female terminal.
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit BMI
UPC	800756508962

Agency

CSA	LR19980
UL	E29179

Physical

Circuits (maximum)	36
Color - Resin	Black
Flammability	94V-0
Gender	Receptacle

Glow-Wire Capable	No
Lock to Mating Part	None
Material - Resin	Polyester
Net Weight	9.338/g
Number of Rows	2
Packaging Type	Tray
Panel Mount	Yes
Pitch - Mating 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 Jr. BMI Vertical, Dual Row, First Mate / Last Break Headers	<u>43693</u>
Mini-Fit BMI Right-Angle Dual Row Headers	<u>43759</u>
Mini-Fit BMI Dual Row Plug Housings	<u>43770</u>

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	<u>/content/molex/molex-dot-com/us/en/products/product-page.html/797580001.html</u>
Pre-Crimped Lead Mini-Fit Female-to-Mini-Fit Female, Tin (Sn) Plating, 300.00mm Length, 18 AWG, Red	<u>/content/molex/molex-dot-com/us/en/products/product-page.html/797580009.html</u>
Mini-Fit Female Crimp Terminals	<u>5556</u>
Mini-Fit Plus Female Crimp Terminals	<u>45750</u>