molex



Part Number : 39013125
Product Description : Mini-Fit Jr. Receptacle Housing, Dual Row, 12 Circuits, UL 94V-2, Black
Series Number : 5557
Status : Active
Product Category : Connector Housings
Engineering Part Number : 5557-12R-BL

Documents and Resources

Drawings

039013125_sd.pdf

PK-5557-002-000.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

55560001-AS-000.pdf

55560002-AS-000.pdf

PS-45750-001-001.pdf

55560002-PS-CH-000.pdf

55560002-PS-ES-000.pdf

55560002-PS-SK-000.pdf

PS-5556-001-001.pdf

PS-5556-002-001.pdf

55560010-TS-000.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)7771-DC (04 Feb 2026)
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	5557
Description	Mini-Fit Jr. Receptacle Housing, Dual Row, 12 Circuits, UL 94V-2, Black
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 Jr.
UPC	800753426016

Agency

CSA	LR19980
UL	E29179

Physical

Circuits (maximum)	12
Color - Resin	Black
Flammability	94V-2
Gender	Receptacle
Glow-Wire Capable	No
Keying to Mating Part	No
Lock to Mating Part	Yes
Material - Resin	Nylon
Net Weight	2.873/g
Number of Rows	2
Packaging Type	Bag
Panel Mount	No
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 TPA2 Plug Housing,	1727620012

4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 12 Circuits	
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 12 Circuits, Panel Mount	1727670012
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-2, Glow-Wire Capable, 12 Circuits, Panel Mount	1727670112
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 12 Circuits, Old Panel Mount Style	1727671012
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-2, Glow-Wire Capable, 12 Circuits, Old Panel Mount Style	1727671112
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
Mini-Fit Jr. Dual Row Test Plugs	44281
Mini-Fit Jr. Plug Housings	5559
Mini-Fit Jr. Vertical Headers	5566
Mini-Fit Jr. Right-Angle Headers	5569
Mini-Fit Jr. Dual Row Headers	87427

Use with Part(s)

Description	Part Number
Mini-Fit Female Crimp Terminals	5556
Mini-Fit Plus Female Crimp Terminals	45750
Mini-Fit Jr. Hermaphroditic Backshells	204723
Mini-Fit HCS Female Crimp	44476

Terminals	