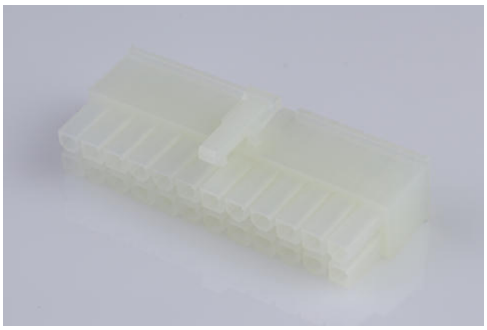
molex



Part Number : 39012240
Product Description : Mini-Fit Jr. Receptacle Housing, Dual Row, 24 Circuits, UL 94V-2, Natural
Series Number : 5557
Status : Active
Product Category : Connector Housings
Engineering Number : 5557-24R

Documents & Resources

Drawings

039012240_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

AS-5557-001-001.pdf

PS-45750-001-001.pdf

55560002-PS-CH-000.pdf

55560002-PS-ES-000.pdf

55560002-PS-SK-000.pdf

PS-5556-001-001.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	Compliant per 2000/53/EC
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	5557
Description	Mini-Fit Jr. Receptacle Housing, Dual Row, 24 Circuits, UL 94V-2, Natural
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	800753584051

Agency

CSA	LR19980
UL	E29179

Physical

Breakaway	No
Circuits (maximum)	24
Color - Resin	Natural
Flammability	94V-2
Gender	Receptacle
Glow-Wire Capable	No
Material - Resin	Nylon
Net Weight	4701.100/mg
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, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 24 Circuits, Panel Mount	1727670024

Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-2 Glow-Wire Capable, 24 Circuits, Panel Mount	1727670124
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
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
Mini-Fit HCS Female Crimp Terminals	44476