molex



Part Number : 39013069
Product Description : Mini-Fit Jr. Plug Housing, Dual Row, 6 Circuits, UL 94V-0, without Panel Mounting Ears, Natural
Series Number : 5559
Status : Active
Product Category : Connector Housings
Engineering Number : 5559-06P1-210

Documents & Resources

Drawings

039013069_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

55560001-AS-000.pdf

55560002-AS-000.pdf

AS-5557-001-001.pdf

PK-5559-002-001.pdf

PS-45750-001-001.pdf

PS-5556-001-001.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	5559
Description	Mini-Fit Jr. Plug Housing, Dual Row, 6 Circuits, UL 94V-0, without Panel Mounting Ears, 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	800753694446

Agency

CSA	LR19980
UL	E29179

Physical

Breakaway	No
Circuits (maximum)	6
Color - Resin	Natural
Flammability	94V-0
Gender	Plug
Glow-Wire Capable	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	Nylon
Net Weight	1.560/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 and Mini-Fit Sigma Dual Row Receptacle Housings	172708
Mini-Fit Jr. Receptacle Housings	5557
Mini-Fit TPA2-to-Mini-Fit TPA2 Off-	45135

the-Shelf (OTS) Cable Assemblies	
Mini-Fit Jr.-to-Mini-Fit Jr. Off-the-Shelf (OTS) Overmolded Cable Assemblies	245135

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	797580005
Pre-Crimped Lead Mini-Fit Male-to-Mini-Fit Male, Tin (Sn) Plating, 300.00mm Length, 18 AWG, Red	797580013
Mini-Fit Male Crimp Terminals	5558
Mini-Fit Plus Male Crimp Terminals	46012
Mini-Fit Jr. Crimp Grounding Terminals	30490
Mini-Fit Jr. Hermaphroditic Backshells	204723