molex



Part Number : 1727090003
Product Description : Mini-Fit TPA2 Terminal Position Assurance (TPA) Retainer, 4.20mm Pitch, UL 94V-0, Low-Halogen, 3 Circuits, White
Series Number : 172709
Status : Active
Product Category : Connector Accessories

Documents & Resources

Drawings

1727090003_sd.pdf

PK-172709-0000-000.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

AS-172718-0000-001.pdf

PS-172718-0000-001.pdf

2029880001-PS-000.pdf

1727180001-TS-000.pdf

1727180002-TS-000.pdf

2029880001-TS-000.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 Accessories
Series	172709
Description	Mini-Fit TPA2 Terminal Position Assurance (TPA) Retainer, 4.20mm Pitch, UL 94V-0, Low-Halogen, 3 Circuits, White
Component Type	Terminal Position Assurance
Product Name	Mini-Fit TPA2
UPC	889056178280

Physical

Circuits (Loaded)	3
Circuits (maximum)	3
Color - Resin	White
Lock to Mating Part	Yes
Material - Resin	Nylon

Net Weight	0.250/g
Number of Rows	1
Packaging Type	Bag
Temperature Range - Operating	-40° to +105°C

Solder Process Data

Lead-Free Process Capability	N/A

Mates With / Use With

Use with Part(s)

Description	Part Number
Mini-Fit TPA2 Receptacle Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 6 Circuits	1727080006
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 6 Circuits	1727620006
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 6 Circuits, Panel Mount	1727670006
Mini-Fit TPA2 Receptacle Housing, 4.20mm Pitch, Single Row, UL 94V-0, Low-Halogen, 3 Circuits	2004530003
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Single Row, UL 94V-0, Low-Halogen, 3 Circuits	2004710003
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Single Row, UL 94V-0, Low-Halogen, Panel Mount, 3 Circuits	2004880003
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Single Row, UL 94V-0, Low-Halogen, Old Panel Mount Style, 3 Circuits	2004881003
Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Receptacle Housings	172708
Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Plug Housings	172762

Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Plug Housings	172767
Mini-Fit TPA2 and Mini-Fit Sigma Single Row Receptacle Housings	200453
Mini-Fit TPA2 and Mini-Fit Sigma Single Row Plug Housings	200471
Mini-Fit TPA2 and Mini-Fit Sigma Single Row Plug Housings	200488