



Part Number : [1727090005](#)

Product Description : Mini-Fit TPA2 Terminal Position Assurance (TPA) Retainer, 4.20mm Pitch, UL 94V-0, Low-Halogen, 5 Circuits, White

Series Number : 172709

Status : Active

Product Category : Connector Accessories



Documents & Resources

Drawings

[1727090005_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, 5 Circuits, White
Component Type	Terminal Position Assurance
Product Name	Mini-Fit TPA2
UPC	889056178303

Physical

Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	White
Lock to Mating Part	Yes
Material - Resin	Nylon

Net Weight	0.395/g
Number of Rows	1
Packaging Type	Bag
Temperature Range - Operating	-40° to +105°C

Solder Process Data

Lead-Free Process Capability	N/A
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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, 10 Circuits	<u>1727080010</u>
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 10 Circuits	<u>1727620010</u>
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 10 Circuits, Panel Mount	<u>1727670010</u>
Mini-Fit TPA2 Receptacle Housing, 4.20mm Pitch, Single Row, UL 94V-0, Low-Halogen, 5 Circuits	<u>2004530005</u>
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Single Row, UL 94V-0, Low-Halogen, 5 Circuits	<u>2004710005</u>
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Single Row, UL 94V-0, Low-Halogen, Panel Mount, 5 Circuits	<u>2004880005</u>
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Single Row, UL 94V-0, Low-Halogen, Old Panel Mount Style, 5 Circuits	<u>2004881005</u>
Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Receptacle Housings	<u>172708</u>
Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Plug Housings	<u>172762</u>

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

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