**Part Number :** 1727090004
**Product Description :** Mini-Fit TPA2 Terminal Position Assurance (TPA) Retainer, 4.20mm Pitch, UL 94V-0, Low-Halogen, 4 Circuits, White
**Series Number :** 172709
**Status :** Active
**Product Category :** Connector Accessories



## Documents & Resources

### Drawings

1727090004_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

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## 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, 4 Circuits, White |
| Component Type | Terminal Position Assurance |
| Product Name | Mini-Fit TPA2 |
| UPC | 889056178297 |

### Physical

| | |
|---|---|
| Circuits (Loaded) | 4 |
| Circuits (maximum) | 4 |
| Color - Resin | White |
| Lock to Mating Part | Yes |
| Material - Resin | Nylon |

| | |
|---|---|
| Net Weight | 0.300/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, 8 Circuits | 1727080008 |
| Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 8 Circuits | 1727620008 |
| Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 8 Circuits, Panel Mount | 1727670008 |
| Mini-Fit TPA2 Receptacle Housing, 4.20mm Pitch, Single Row, UL 94V-0, Low-Halogen, 4 Circuits | 2004530004 |
| Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Single Row, UL 94V-0, Low-Halogen, 4 Circuits | 2004710004 |
| Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Single Row, UL 94V-0, Low-Halogen, Panel Mount, 4 Circuits | 2004880004 |
| Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Single Row, UL 94V-0, Low-Halogen, Old Panel Mount Style, 4 Circuits | 2004881004 |
| 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 |