



**Part Number :** [1727080002](#)

**Product Description :** Mini-Fit TPA2 Receptacle Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 2 Circuits

**Series Number :** 172708

**Status :** Active

**Product Category :** Connector Housings



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## Documents & Resources

### Drawings

[1727080002\\_sd.pdf](#)

[PK-172708-0000-000.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](#)

[1727180003-TS-000.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	Not Relevant
EU ELV	Not Relevant
Low-Halogen Status	Not Relevant
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)

EU RoHS	Compliant per EU 2015/863
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### 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	172708
Description	Mini-Fit TPA2 Receptacle Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 2 Circuits
Application	Power, Wire-to-Board, Wire-to-Wire
Comments	See product specification for current derating information.
Product Name	Mini-Fit TPA2
UPC	889056178051

### Agency

UL	E29179
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### Physical

Circuits (maximum)	2
Color - Resin	Black

Flammability	94V-0
Gender	Receptacle
Glow-Wire Capable	No
Lock to Mating Part	Yes
Material - Resin	Nylon
Net Weight	0.783/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
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### Mates With / Use With

#### Mates with Part(s)

Description	Part Number
Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Plug Housings	<a href="#"><u>172762</u></a>
Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Plug Housings	<a href="#"><u>172767</u></a>
Mini-Fit Jr. Plug Housings	<a href="#"><u>5559</u></a>
Mini-Fit Vertical Dual Row Headers	<a href="#"><u>172447</u></a>
Mini-Fit Jr. Right-Angle Dual Row Headers	<a href="#"><u>172448</u></a>
Mini-Fit 4.20mm Pitch Dual Row Right-Angle Headers	<a href="#"><u>35317</u></a>
Mini-Fit 4.20mm Pitch Dual Row Right-Angle Headers	<a href="#"><u>35318</u></a>
Mini-Fit Jr. Vertical Dual Row Headers	<a href="#"><u>43460</u></a>

Mini-Fit Jr. Right-Angle Dual Row Headers	<u>44130</u>
Mini-Fit Jr. Vertical, Dual Row, Reflow Solder Capable Headers	<u>46207</u>
Mini-Fit Jr. Right-Angle Dual Row Reflow Solder Capable Headers	<u>46991</u>
Mini-Fit Jr. Vertical Headers	<u>5566</u>
Mini-Fit Jr. Right-Angle Headers	<u>5569</u>
Mini-Fit Jr. Dual Row Headers	<u>87427</u>
Mini-Fit Jr. Dual Row Test Plugs	<u>44281</u>

### Use with Part(s)

Description	Part Number
Mini-Fit TPA2 Terminal Position Assurance (TPA) Retainer, 4.20mm Pitch, UL 94V-0, Low-Halogen, 1 Circuit, White	<u>1727090001</u>
Mini-Fit TPA2/Sigma Female Crimp Terminals	<u>172718</u>
Mini-Fit TPA2/Sigma Female Crimp Terminals	<u>202988</u>
Pre-Crimped Lead Mini-Fit Sigma/TPA2 Female-to-Mini-Fit Sigma/TPA2 Female	<u>219670</u>
Pre-Crimped Lead Mini-Fit Sigma/TPA2 Female-to-Pigtail	<u>219671</u>
Mini-Fit TPA2/Sigma Female Low Mating Force Crimp Terminals	<u>221442</u>
Mini-Fit TPA2 Connector Position Assurance (CPA) Retainers	<u>203603</u>