



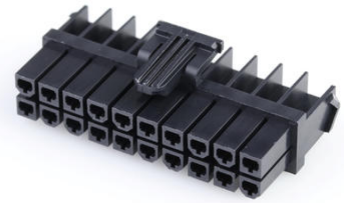
**Part Number :** [1727080120](#)

**Product Description :** Mini-Fit TPA2 Receptacle Housing, 4.20mm Pitch, Dual Row, UL 94V-2, Glow-Wire Capable, 20 Circuit

**Series Number :** 172708

**Status :** Active

**Product Category :** Connector Housings



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## Documents & Resources

### Drawings

[1727080120\\_sd.pdf](#)

[1727080001-PK-000.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

### Specifications

[AS-172718-0000-001.pdf](#)

[2029880001-PS-000.pdf](#)

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

[2029880001-TS-000.pdf](#)

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## Product Environment Compliance

### Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Not Relevant  |
| China RoHS         | per SJ/T 11365-2006  |
| EU ELV             | Not Relevant  |
| Low-Halogen Status | Not 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 Housings  |
| Series       | 172708  |
| Description  | Mini-Fit TPA2 Receptacle Housing, 4.20mm Pitch, Dual Row, UL 94V-2, Glow-Wire Capable, 20 Circuit |
| Application  | Power, Wire-to-Board, Wire-to-Wire  |
| Comments     | See product specification for current derating information.                                       |
| Product Name | Mini-Fit TPA2   |
| UPC          | 191128361484  |

### Agency

|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

### Physical

|                    |            |
|--------------------|------------|
| Circuits (maximum) | 20         |
| Color - Resin      | Black      |
| Flammability       | 94V-0      |
| Gender             | Receptacle |

|                               |                |
|-------------------------------|----------------|
| Glow-Wire Capable             | Yes            |
| Lock to Mating Part           | Yes            |
| Material - Resin              | Nylon          |
| Net Weight                    | 3.843/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 |

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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        | <u>172762</u> |
| Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Plug Housings        | <u>172767</u> |
| Mini-Fit Jr. Plug Housings                                     | <u>5559</u>   |
| Mini-Fit Vertical Dual Row Headers                             | <u>172447</u> |
| Mini-Fit Jr. Right-Angle Dual Row Headers                      | <u>172448</u> |
| Mini-Fit 4.20mm Pitch Dual Row Right-Angle Headers             | <u>35317</u>  |
| Mini-Fit 4.20mm Pitch Dual Row Right-Angle Headers             | <u>35318</u>  |
| Mini-Fit Jr. Vertical Dual Row Headers                         | <u>43460</u>  |
| 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                              | <u>46991</u>  |

|                                  |              |
|----------------------------------|--------------|
| Reflow Solder Capable Headers    |              |
| 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-2, Glow-Wire Capable, 10 Circuits, White | <u>1727090110</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>     |