



Part Number : 2004531003

Series Number : 200453

Product Category : Connector Housings

Product Description : Mini-Fit Sigma
Receptacle Housing, 4.20mm Pitch, Single
Row, Glow-Wire Capable, 3 Circuits

Status : Active

Documents & Resources

Drawings

Drawing 2004531003_sd.pdf

Packaging Design Drawing 2004531000-PK-000.pdf

3D Models and Design Files

3D Model 2004531003_stp.zip

Specifications

Application Specification 2131370000-AS-000.pdf

Product Specification 2029880002-PS-000.pdf


Product Specification 2131370000-PS-000.pdf

Test Summary 2131370001-TS-000.pdf

Test Summary 2131370002-TS-000.pdf

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Not Relevant |
| China RoHS |  |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2024)4144-DC (27 June 2024) |
| EU RoHS | Compliant per EU 2015/863 |

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

| | |
|----------------|--|
| Status | Active |
| Category | Connector Housings |
| Series | 200453 |
| Description | Mini-Fit Sigma Receptacle Housing, 4.20mm Pitch, Single Row, Glow-Wire Capable, 3 Circuits |
| Application | Power, Wire-to-Board, Wire-to-Wire |
| Product Family | Mini-Fit Family Power Connectors |
| Product Name | Mini-Fit Sigma |
| UPC | 193264048304 |

Agency

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

Physical

| | |
|-----------------------|------------|
| Circuits (maximum) | 3 |
| Color - Resin | Black |
| Flammability | 94V-0 |
| Gender | Receptacle |
| Glow-Wire Capable | Yes |
| Keying to Mating Part | None |
| Lock to Mating Part | Yes |
| Material - Resin | Nylon |
| Net Weight | 1.230/g |
| Number of Rows | 1 |
| Packaging Type | Bag |
| Panel Mount | No |

| | |
|-------------------------------|----------------|
| Pitch - Mating Interface | 4.20mm |
| Pitch - Termination Interface | 4.20mm |
| Polarized to Mating Part | Yes |
| Temperature Range - Operating | -40° to +105°C |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|---|---------------|
| Mini-Fit Jr. Plug Housings | <u>5559</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> |
| Mini-Fit Jr. Vertical Single Row Headers | <u>172647</u> |
| Mini-Fit Jr. Right-Angle Single Row Headers | <u>172648</u> |
| Mini-Fit Jr. Right-Angle Headers | <u>5569</u> |

Use with Part(s)

| Description | Part Number |
|--|---------------|
| 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 Female-to-Mini-Fit Sigma Female | <u>219670</u> |
| Pre-Crimped Lead Mini-Fit Sigma Female-to-Pigtail | <u>219671</u> |
| Mini-Fit TPA2 and Mini-Fit Sigma Terminal Position Assurance (TPA) Retainers | <u>172709</u> |
| Mini-Fit TPA2/Sigma Female Low Mating Force Crimp Terminals | <u>221442</u> |