



Part Number : 2183101042

Series Number : 218310

Product Category : Power and Signal Cable Assemblies

Product Description : Mini-Fit Sigma-to-Mini-Fit Sigma Off-the-Shelf (OTS) Cable Assembly, 4.20mm Pitch, Dual Row, 300.00mm Length, 4 Circuits, Black

Status : Active

Documents & Resources

Drawings

Drawing 2183101042_sd.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(2023)8585-DC (23 Jan 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 | Power and Signal Cable Assemblies |
| Series | 218310 |
| Description | Mini-Fit Sigma-to-Mini-Fit Sigma Off-the-Shelf (OTS) Cable Assembly, 4.20mm Pitch, Dual Row, 300.00mm Length, 4 Circuits, Black |
| Application | Power, Wire-to-Board, Wire-to-Wire |
| Assembly Configuration | Dual Ended Connectors |
| Connector to Connector | Mini-Fit Sigma Both Ends |
| Product Family | Mini-Fit Family Power Connectors |
| Product Name | Mini-Fit Sigma |
| Type | Discrete Wire Assembly |
| UPC | 195842330795 |

Electrical

| | |
|-------------------------------|------------|
| Current - Maximum per Contact | 11.5A |
| Voltage - Maximum | 600V AC/DC |

Physical

| | |
|--------------------------------|---------------|
| Cable Length | 300.00mm |
| Circuits (Loaded) | 4 |
| Circuits (maximum) | 4 |
| Color - Resin | Black |
| Gender | Female-Female |
| Lock to Mating Part | Yes |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Net Weight | 24.448/g |
| Number of Rows | 2 |
| Packaging Type | Bag |
| Pitch - Mating Interface | 4.20mm |

| | |
|-----------------------------|----------------------|
| Plating min - Mating | 2.500µm |
| Single Ended | No |
| Termination Interface Style | Crimp or Compression |
| Wire/Cable Type | UL 11028 |
| Wire Insulation Diameter | 1.98-2.55mm |
| Wire Size (AWG) | 16 |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|--|-------------------|
| Mini-Fit Sigma Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Glow-Wire Capable, 4 Circuits | <u>1727621004</u> |
| Mini-Fit Sigma Plug Housing, 4.20mm Pitch, Dual Row, Panel Mount, UL 94V-0, Glow-Wire Capable, 4 Circuits | <u>1727673004</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 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> |
