Part Number : 2183101022

Product Description : Mini-Fit Sigma-to-Mini-Fit Sigma Off-the-Shelf (OTS) Cable Assembly, 4.20mm Pitch, Dual Row, 300.00mm Length, 2 Circuits, Black

Series Number : 218310

Status : Active

Product Category : Power and Signal Cable Assemblies

## Documents & Resources

### Drawings

Drawing_2183101022_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, 2 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 | 195842330764 |

## Electrical

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

## Physical

| | |
|---|---|
| Cable Length | 300.00mm |
| Circuits (Loaded) | 2 |
| Circuits (maximum) | 2 |
| 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 | 13.117/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, 2 Circuits | 1727621002 |
| Mini-Fit Sigma Plug Housing, 4.20mm Pitch, Dual Row, Panel Mount, UL 94V-0, Glow-Wire Capable, 2 Circuits | 1727673002 |
| Mini-Fit Vertical Dual Row Headers | 172447 |
| Mini-Fit Jr. Right-Angle Dual Row Headers | 172448 |
| Mini-Fit 4.20mm Pitch Dual Row Right-Angle Headers | 35317 |
| Mini-Fit 4.20mm Pitch Dual Row Right-Angle Headers | 35318 |
| Mini-Fit Jr. Vertical Dual Row Headers | 43460 |
| Mini-Fit Jr. Right-Angle Dual Row Headers | 44130 |
| Mini-Fit Jr. Vertical, Dual Row, Reflow Solder Capable Headers | 46207 |
| Mini-Fit Jr. Right-Angle Dual Row Reflow Solder Capable Headers | 46991 |
| Mini-Fit Jr. Vertical Headers | 5566 |
| Mini-Fit Jr. Right-Angle Headers | 5569 |
| Mini-Fit Jr. Dual Row Headers | 87427 |