



**Part Number :** [2183111043](#)  
**Product Description :** Mini-Fit Sigma-to-Pigtail  
Off-the-Shelf (OTS) Cable Assembly, 4.20mm  
Pitch, Dual Row, 600.00mm Length, 4 Circuits,  
Black  
**Series Number :** 218311  
**Status :** Active  
**Product Category :** Power and Signal Cable  
Assemblies



## Documents & Resources

**Drawings**  
[2183111043\\_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

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## Part Details

### General

|                        |                                                                                                                          |
|------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Status                 | Active                                                                                                                   |
| Category               | Power and Signal Cable Assemblies                                                                                        |
| Series                 | 218311                                                                                                                   |
| Description            | Mini-Fit Sigma-to-Pigtail Off-the-Shelf (OTS) Cable Assembly, 4.20mm Pitch, Dual Row, 600.00mm Length, 4 Circuits, Black |
| Application            | Power, Wire-to-Board, Wire-to-Wire                                                                                       |
| Assembly Configuration | Single Ended Connector                                                                                                   |
| Connector to Connector | Mini-Fit Sigma-to-Pigtail                                                                                                |
| Product Name           | Mini-Fit Sigma                                                                                                           |
| Type                   | Discrete Wire Assembly                                                                                                   |
| UPC                    | 195842330863                                                                                                             |

### Electrical

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

### Physical

|                                |                |
|--------------------------------|----------------|
| Cable Length                   | 600.00mm       |
| Circuits (Loaded)              | 4              |
| Circuits (maximum)             | 4              |
| Color - Resin                  | Black          |
| Gender                         | Female-Pigtail |
| Lock to Mating Part            | Yes            |
| Material - Metal               | Brass          |
| Material - Plating Mating      | Tin            |
| Material - Plating Termination | Tin            |
| Material - Resin               | Nylon          |
| Net Weight                     | 38.643/g       |
| Number of Rows                 | 2              |
| Packaging Type                 | Bag            |
| Pitch - Mating Interface       | 4.20mm         |

|                             |                      |
|-----------------------------|----------------------|
| Plating min - Mating        | 2.500µm              |
| Single Ended                | Yes                  |
| Termination Interface Style | Crimp or Compression |
| Wire/Cable Type             | UL 11028             |
| Wire Insulation Diameter    | 1.98-2.55mm          |
| Wire Size (AWG)             | 16                   |

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## Mates With / Use With

### Mates with Part(s)

| Description                                                                                                        | Part Number       |
|--------------------------------------------------------------------------------------------------------------------|-------------------|
| Mini-Fit Sigma Plug Housing,<br>4.20mm Pitch, Dual Row, UL 94V-0,<br>Glow-Wire Capable, 4 Circuits                 | <u>1727621004</u> |
| Mini-Fit Sigma Plug Housing,<br>4.20mm Pitch, Dual Row, Panel<br>Mount, UL 94V-0, Glow-Wire<br>Capable, 4 Circuits | <u>1727673004</u> |
| Mini-Fit Vertical Dual Row Headers                                                                                 | <u>172447</u>     |
| Mini-Fit Jr. Right-Angle Dual Row<br>Headers                                                                       | <u>172448</u>     |
| Mini-Fit 4.20mm Pitch Dual Row<br>Right-Angle Headers                                                              | <u>35317</u>      |
| Mini-Fit 4.20mm Pitch Dual Row<br>Right-Angle Headers                                                              | <u>35318</u>      |
| Mini-Fit Jr. Vertical Dual Row<br>Headers                                                                          | <u>43460</u>      |
| Mini-Fit Jr. Right-Angle Dual Row<br>Headers                                                                       | <u>44130</u>      |
| Mini-Fit Jr. Vertical, Dual Row,<br>Reflow Solder Capable Headers                                                  | <u>46207</u>      |
| Mini-Fit Jr. Right-Angle Dual Row<br>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>      |

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