



**Part Number :** [1451350600](#)  
**Product Description :** Mini-Fit TPA2-to-Mini-Fit TPA2  
Off-the-Shelf (OTS) Cable Assembly, Single Row,  
75.00mm Length, 6 Circuits, Black  
**Series Number :** 145135  
**Status :** Active  
**Product Category :** Power and Signal Cable  
Assemblies



## Documents & Resources

### Drawings

[1451350600 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                                 |
| China RoHS         | <br>per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                                 |
| Low-Halogen Status | Not Low-Halogen per IEC<br>61249-2-21                                                                        |
| REACH SVHC         | Not Contained per D(2024)7663-DC<br>(21 Jan 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

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|------------------------|------------------------------------------------------------------------------------------------------------------|
| Status                 | Active                                                                                                           |
| Category               | Power and Signal Cable Assemblies                                                                                |
| Series                 | 145135                                                                                                           |
| Description            | Mini-Fit TPA2-to-Mini-Fit TPA2 Off-the-Shelf (OTS) Cable Assembly, Single Row, 75.00mm Length, 6 Circuits, Black |
| Application            | Power, Wire-to-Board, Wire-to-Wire                                                                               |
| Assembly Configuration | Dual Ended Connectors                                                                                            |
| Connector to Connector | Mini-Fit TPA2 Both Ends                                                                                          |
| Product Name           | Mini-Fit TPA2                                                                                                    |
| Type                   | Discrete Wire Assembly                                                                                           |
| UPC                    | 191130114139                                                                                                     |

### Electrical

|                               |            |
|-------------------------------|------------|
| Current - Maximum per Contact | 11.0A      |
| Voltage - Maximum             | 600V AC/DC |

### Physical

|                    |               |
|--------------------|---------------|
| Cable Length       | 75.00mm       |
| Circuits (Loaded)  | 6             |
| Circuits (maximum) | 6             |
| Color - Resin      | Black         |
| Gender             | Female-Female |

|                                |                      |
|--------------------------------|----------------------|
| Lock to Mating Part            | Yes                  |
| Material - Metal               | Phosphor Bronze      |
| Material - Plating Mating      | Tin                  |
| Material - Plating Termination | Tin                  |
| Material - Resin               | Nylon                |
| Net Weight                     | 16.132/g             |
| Number of Rows                 | 1                    |
| Overmolded                     | No                   |
| Packaging Type                 | Bag                  |
| Pitch - Mating Interface       | 4.20mm               |
| Plating min - Mating           | 2.500µm              |
| Plating min - Termination      | 2.500µm              |
| Single Ended                   | No                   |
| Termination Interface Style    | Crimp or Compression |
| Wire/Cable Type                | UL 1061              |
| Wire Size (AWG)                | 16                   |

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## Mates With / Use With

### Mates with Part(s)

| Description                                                  | Part Number                   |
|--------------------------------------------------------------|-------------------------------|
| Mini-Fit TPA2 and Mini-Fit Sigma<br>Single Row Plug Housings | <u><a href="#">200471</a></u> |
| Mini-Fit TPA2 and Mini-Fit Sigma<br>Single Row Plug Housings | <u><a href="#">200488</a></u> |
| Mini-Fit Jr. Plug Housings                                   | <u><a href="#">5559</a></u>   |
| Mini-Fit Jr. Vertical Headers                                | <u><a href="#">5566</a></u>   |
| Mini-Fit Jr. Right-Angle Headers                             | <u><a href="#">5569</a></u>   |