



**Part Number :** [1451350501](#)  
**Product Description :** Mini-Fit TPA2-to-Mini-Fit TPA2 Off-the-Shelf (OTS) Cable Assembly, Single Row, 150.00mm Length, 5 Circuits, Black  
**Series Number :** 145135  
**Status :** Active  
**Product Category :** Power and Signal Cable Assemblies

Documents & Resources

**Drawings**  
[1451350501\\_sd.pdf](#)

**3D Models and Design Files**  
[1451350501\\_stp.zip](#)

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)6225-DC (07 Nov 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

## Part Details

### General

|                        |                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------|
| 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, 150.00mm Length, 5 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                    | 191130114078                                                                                                      |

### Electrical

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

### Physical

|                                |                 |
|--------------------------------|-----------------|
| Cable Length                   | 150.00mm        |
| Circuits (Loaded)              | 5               |
| Circuits (maximum)             | 5               |
| 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                     | 19.326/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 Insulation Diameter    | 1.98-3.14mm          |
| 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 Single Row Plug Housings | <u>200471</u> |
| Mini-Fit TPA2 and Mini-Fit Sigma Single Row Plug Housings | <u>200488</u> |
| Mini-Fit Jr. Plug Housings                                | <u>5559</u>   |
| Mini-Fit Jr. Vertical Headers                             | <u>5566</u>   |
| Mini-Fit Jr. Right-Angle Headers                          | <u>5569</u>   |