



**Part Number :** [1451320501](#)  
**Product Description :** Micro-Fit TPA-to-Micro-Fit TPA  
Off-the-Shelf (OTS) Cable Assembly, Single Row,  
150.00mm Length, 5 Circuits, Black  
**Series Number :** 145132  
**Status :** Active  
**Product Category :** Power and Signal Cable  
Assemblies



Documents & Resources

Drawings

[1451320501 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

|                        |                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------|
| Status                 | Active                                                                                                            |
| Category               | Power and Signal Cable Assemblies                                                                                 |
| Series                 | 145132                                                                                                            |
| Description            | Micro-Fit TPA-to-Micro-Fit TPA 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 | Micro-Fit TPA Both Ends                                                                                           |
| Product Name           | Micro-Fit TPA                                                                                                     |
| Type                   | Discrete Wire Assembly                                                                                            |
| UPC                    | 191130115686                                                                                                      |

### Electrical

|                               |            |
|-------------------------------|------------|
| Current - Maximum per Contact | 8.5A       |
| Voltage - Maximum             | 300V 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                     | 7.560/g              |
| Number of Rows                 | 1                    |
| Overmolded                     | No                   |
| Packaging Type                 | Bag                  |
| Pitch - Mating Interface       | 3.00mm               |
| Plating min - Mating           | 1.016µm              |
| Plating min - Termination      | 1.016µm              |
| Single Ended                   | No                   |
| Termination Interface Style    | Crimp or Compression |
| Wire/Cable Type                | UL 1061              |
| Wire Size (AWG)                | 20                   |

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## Mates With / Use With

### Mates with Part(s)

| Description                            | Part Number   |
|----------------------------------------|---------------|
| Micro-Fit 3.0 Single Row Plug Housings | <u>43640</u>  |
| Micro-Fit TPA Single Row Plug Housings | <u>200875</u> |
| Micro-Fit 3.0 Single Row Headers       | <u>43650</u>  |

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