



**Part Number :** [2451321005](#)

**Product Description :** Micro-fit 3.0-to-Micro-Fit 3.0  
Off-the-Shelf (OTS) Overmolded Cable Assembly, Dual  
Row, 0.5m Length, 10 Circuits, Black

**Series Number :** 245132

**Status :** Active

**Product Category :** Power and Signal Cable  
Assemblies



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## Documents & Resources

### Drawings

[2451321005 sd.pdf](#)

[2014400098-PK.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                                 |
| China RoHS         | <br>per SJ/T 11365-2006 |
| EU ELV             | Compliant per 2000/53/EC                                                                                     |
| Low-Halogen Status | Not Low-Halogen per IEC<br>61249-2-21                                                                        |
| REACH SVHC         | Not Contained per D(2022)9120-DC<br>(17 Jan 2023)                                                            |
| 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                 | 245132                                                                                                                  |
| Description            | Micro-fit 3.0-to-Micro-Fit 3.0 Off-the-Shelf (OTS) Overmolded Cable Assembly, Dual Row, 0.5m Length, 10 Circuits, Black |
| Application            | Power, Wire-to-Board, Wire-to-Wire                                                                                      |
| Assembly Configuration | Dual Ended Connectors                                                                                                   |
| Connector to Connector | Micro-Fit 3.0 Both Ends                                                                                                 |
| Product Name           | Micro-Fit 3.0                                                                                                           |
| Type                   | Overmolded Assembly                                                                                                     |
| UPC                    | 889056841511                                                                                                            |

### Electrical

|                               |         |
|-------------------------------|---------|
| Current - Maximum per Contact | 3.0A    |
| Voltage - Maximum             | 300V AC |

### Physical

|                    |               |
|--------------------|---------------|
| Cable Length       | 0.50m         |
| Circuits (Loaded)  | 10            |
| Circuits (maximum) | 10            |
| 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                |
| Number of Rows                 | 2                    |
| Overmolded                     | Yes                  |
| 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 2464              |
| Wire Size (AWG)                | 20                   |

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## Mates With / Use With

### Mates with Part(s)

| Description                          | Part Number                  |
|--------------------------------------|------------------------------|
| Micro-Fit 3.0 Dual Row Plug Housings | <u><a href="#">43020</a></u> |
| Micro-Fit 3.0 Dual Row Headers       | <u><a href="#">43045</a></u> |
| Micro-Fit 3.0 Dual Row Test Plugs    | <u><a href="#">44242</a></u> |