



**Part Number :** [2147552083](#)

**Product Description :** Micro-Fit 3.0 Female-to-Micro-Fit 3.0 Female Off-the-Shelf (OTS) Cable Assembly, Dual Row, 600.00mm Length, Gold (Au) Plating, 8 Circuits, Black

**Series Number :** 214755

**Status :** Active

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



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## Documents & Resources

### Drawings

[Drawing 2147552083\\_sd.pdf](#)


### 3D Models and Design Files

[3D Model 2147552083\\_stp.zip](#)

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## 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)3788-DC (14 Jun 2023)  |
| 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                 | 214755   |
| Description            | Micro-Fit 3.0 Female-to-Micro-Fit 3.0 Female Off-the-Shelf (OTS) Cable Assembly, Dual Row, 600.00mm Length, Gold (Au) Plating, 8 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 Family         | Micro-Fit Connector System   |
| Product Name           | Micro-Fit 3.0  |
| Type                   | Discrete Wire Assembly   |
| UPC                    | 193264501120   |

### Electrical

|                               |            |
|-------------------------------|------------|
| Current - Maximum per Contact | 8.5A       |
| Voltage - Maximum             | 300V AC/DC |

### Physical

|                                |                 |
|--------------------------------|-----------------|
| Cable Length                   | 600.00mm        |
| Circuits (Loaded)              | 8               |
| Circuits (maximum)             | 8               |
| Color - Resin                  | Black           |
| Gender                         | Female-Female   |
| Lock to Mating Part            | Yes             |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Gold            |
| Material - Plating Termination | Tin             |
| Material - Resin               | Nylon           |

|                             |                      |
|-----------------------------|----------------------|
| Net Weight                  | 51.810/g             |
| Number of Rows              | 2                    |
| Overmolded                  | No                   |
| Packaging Type              | Bag                  |
| Pitch - Mating Interface    | 3.00mm               |
| Plating min - Mating        | 0.762µm              |
| Plating min - Termination   | 2.540µm              |
| Single Ended                | No                   |
| Termination Interface Style | Crimp or Compression |
| Wire/Cable Type             | UL 1061              |
| Wire Insulation Diameter    | 1.85mm max.          |
| Wire Size (AWG)             | 18                   |

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## Mates With / Use With

### Mates with Part(s)

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