



Part Number : 2147501042

Series Number : 214750

Product Category : Power and Signal Cable Assemblies

Product Description : Micro-Fit 3.0 Female-to-Micro-Fit 3.0 Female Off-the-Shelf (OTS) Cable Assembly, Single Row, 300.00mm Length, Tin (Sn) Plating, 4 Circuits, Black

Status : Active

Documents & Resources

Drawings

Drawing 2147501042\_sd.pdf

3D Models and Design Files

3D Model 2147501042\_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)4144-DC (27 June 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
- chemSHERPA (xml)

## Part Details

### General

|                        |                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Status                 | Active                                                                                                                                            |
| Category               | Power and Signal Cable Assemblies                                                                                                                 |
| Series                 | 214750                                                                                                                                            |
| Description            | Micro-Fit 3.0 Female-to-Micro-Fit 3.0 Female Off-the-Shelf (OTS) Cable Assembly, Single Row, 300.00mm Length, Tin (Sn) Plating, 4 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                    | 193264584918                                                                                                                                      |

### Electrical

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

### Physical

|                                |                 |
|--------------------------------|-----------------|
| Cable Length                   | 300.00mm        |
| Circuits (Loaded)              | 4               |
| Circuits (maximum)             | 4               |
| 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                     | 15.419/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             | Discrete Wire, UL 10002 |
| 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 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>  |