chanhvinh.com

molex



**Part Number :** 1451350503
**Product Description :** Mini-Fit TPA2-to-Mini-Fit TPA2 Off-the-Shelf (OTS) Cable Assembly, Single Row, 300.00mm Length, 5 Circuits, Black
**Series Number :** 145135
**Status :** Active
**Product Category :** Power and Signal Cable Assemblies

## Documents & Resources

### Drawings

1451350503_sd.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2024)7663-DC (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 | 145135 |
| Description | Mini-Fit TPA2-to-Mini-Fit TPA2 Off-the-Shelf (OTS) Cable Assembly, Single Row, 300.00mm 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 | 191130114092 |

### Electrical

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

### Physical

| | |
|---|---|
| Cable Length | 300.00mm |
| 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 | 30.864/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 Size (AWG) | 16 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Mini-Fit TPA2 and Mini-Fit Sigma Single Row Plug Housings | 200471 |
| Mini-Fit TPA2 and Mini-Fit Sigma Single Row Plug Housings | 200488 |
| Mini-Fit Jr. Plug Housings | 5559 |
| Mini-Fit Jr. Vertical Headers | 5566 |
| Mini-Fit Jr. Right-Angle Headers | 5569 |