**Part Number :** 2451351005
**Product Description :** Mini-Fit Jr. Female-to-Mini-Fit Jr. Female Off-the-Shelf (OTS) Overmolded Cable Assembly, Dual Row, 0.5m Length, 10 Circuits, Black
**Series Number :** 245135
**Status :** Active
**Product Category :** Power and Signal Cable Assemblies



## Documents and Resources

### Drawings

2451351005_sd.pdf

2027040000-PK.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 | Compliant per 2000/53/EC |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| 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

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- 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 | 245135 |
| Description | Mini-Fit Jr. Female-to-Mini-Fit Jr. Female Off-the-Shelf (OTS) Overmolded Cable Assembly, Dual Row, 0.5m Length, 10 Circuits, Black |
| Application | Wire-to-Board, Wire-to-Wire |
| Assembly Configuration | Dual Ended Connectors |
| Connector to Connector | Mini-Fit Jr.-to-Mini-Fit Jr. |
| Product Name | Mini-Fit Jr. |
| Type | Overmolded Assembly |
| UPC | 889056878159 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 5.0A |
| Voltage - Maximum | 300V AC |

### Physical

| | |
|---|---|
| Cable Length | 0.50m |
| Circuits (Loaded) | 10 |
| Circuits (maximum) | 10 |
| Color - Resin | Black |
| Gender | Female-Female |

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| | |
|---|---|
| Lock to Mating Part | Yes |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Net Weight | 89.950/g |
| Number of Rows | 2 |
| Overmolded | Yes |
| Packaging Type | Bag |
| Pitch - Mating Interface | 4.20mm |
| Plating min - Mating | 2.540µm |
| Plating min - Termination | 2.540µm |
| Single Ended | No |
| Termination Interface Style | Crimp or Compression |
| Wire/Cable Type | UL 2464 |
| Wire Size (AWG) | 18 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Mini-Fit Jr. Plug Housings | 5559 |
| Mini-Fit Jr. Vertical Headers | 5566 |
| Mini-Fit Jr. Right-Angle Headers | 5569 |
| Mini-Fit Jr. Dual Row Headers | 87427 |
| Mini-Fit BMI Right-Angle Dual Row Headers | 42404 |
| Mini-Fit BMI Vertical Dual Row Headers | 42440 |
| Mini-Fit BMI Right-Angle Dual Row Headers | 43810 |
| Mini-Fit BMI Vertical Dual Row Headers | 44068 |



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