**Part Number :** 2451360605
**Product Description :** Mega-Fit-to-Mega-Fit Off-the-Shelf (OTS) Overmolded Cable Assembly, Dual Row, 0.5m Length, Gold (Au) Plated, 6 Circuits, Black
**Series Number :** 245136
**Status :** Active
**Product Category :** Power and Signal Cable Assemblies



## Documents and Resources

### Drawings

2451360605_sd.pdf

2027040015-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(2020)9139-DC (19 Jan 2021) |
| 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 | 245136 |
| Description | Mega-Fit-to-Mega-Fit Off-the-Shelf (OTS) Overmolded Cable Assembly, Dual Row, 0.5m Length, Gold (Au) Plated, 6 Circuits, Black |
| Application | Power, Wire-to-Board |
| Assembly Configuration | Dual Ended Connectors |
| Connector to Connector | Mega-Fit-to-Mega-Fit |
| Product Name | Mega-Fit |
| Type | Overmolded Assembly |
| UPC | 191128798341 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 12.0A |
| Voltage - Maximum | 300V AC |

### Physical

| | |
|---|---|
| Cable Length | 0.50m |
| Circuits (Loaded) | 6 |
| Circuits (maximum) | 6 |

| | |
|---|---|
| Color - Resin | Black |
| Gender | Female-Female |
| Lock to Mating Part | Yes |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Matte Tin |
| Material - Resin | Polybutylene Terephthalate (PBT) |
| Net Weight | 151.200/g |
| Number of Rows | 2 |
| Overmolded | Yes |
| Packaging Type | Bag |
| Pitch - Mating Interface | 5.70mm |
| Plating min - Mating | 0.381µm |
| Plating min - Termination | 0.381µm |
| Single Ended | No |
| Termination Interface Style | Crimp or Compression |
| Wire/Cable Type | UL 2464 |
| Wire Size (AWG) | 12 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Mega-Fit Right-Angle, Dual Row, Through Hole Headers | 172064 |
| Mega-Fit Vertical, Dual Row Through Hole Headers | 172065 |