molex



Part Number : 1451320510
Product Description : Micro-Fit TPA-to-Micro-Fit TPA Off-the-Shelf (OTS) Cable Assembly, Single Row, 1.0m Length, 5 Circuits, Black
Series Number : 145132
Status : Active
Product Category : Power and Signal Cable Assemblies

Documents & Resources

Drawings

1451320510_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 47; 34
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

Part Details

General

Status	Active
Category	Power and Signal Cable Assemblies
Series	145132
Description	Micro-Fit TPA-to-Micro-Fit TPA Off-the-Shelf (OTS) Cable Assembly, Single Row, 1.0m Length, 5 Circuits, Black
Application	Power, Wire-to-Board, Wire-to-Wire
Assembly Configuration	Dual Ended Connectors
Connector to Connector	Micro-Fit TPA Both Ends
Product Name	Micro-Fit TPA
Type	Discrete Wire Assembly
UPC	191130115709

Electrical

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

Physical

Cable Length	1.0m
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	35.907/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	UL 1061
Wire Size (AWG)	20

Mates With / Use With

Mates with Part(s)

Description	Part Number
Micro-Fit 3.0 Single Row Plug Housings	43640
Micro-Fit TPA Single Row Plug Housings	200875
Micro-Fit 3.0 Single Row Headers	43650