molex



Part Number : 451450601
Product Description : Squba 1.8-to-Squba 1.8 Off-the-Shelf (OTS) Receptacle Cable Assembly, Single Row, 150.00mm, 6 Circuits, Black
Series Number : 45145
Status : Active
Product Category : Power and Signal Cable Assemblies

Documents and Resources

Drawings

451450601_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	Contains Dodecamethylcyclohexasiloxane; Decamethylcyclopentasiloxane; Octamethylcyclotetrasiloxane 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	45145
Description	Squba 1.8-to-Squba 1.8 Off-the-Shelf (OTS) Receptacle Cable Assembly, Single Row, 150.00mm, 6 Circuits, Black
Application	Wire-to-Wire
Assembly Configuration	Dual Ended Connectors
Connector to Connector	Squba 1.8-to-Squba 1.8
Keyword	Squba 1.8
Product Name	Squba
Type	Discrete Wire Assembly, Sealed Assembly
UPC	191128910040

Electrical

Current - Maximum per Contact	5.0A
Voltage - Maximum	125V

Physical

Cable Length	150.00mm
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Gender	Female-Female
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Matte Tin
Material - Plating Termination	Matte Tin
Material - Resin	Nylon
Net Weight	13.324/g
Number of Rows	1
Overmolded	No
Packaging Type	Bag
Pitch - Mating Interface	1.80mm
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)	22

Mates With / Use With

Mates with Part(s)

Description	Part Number
Squba 1.8 Sealed Single Row Plug Assemblies	204223