



**Part Number :** [451461010](#)

**Product Description :** Squba 1.8-to-Squba 1.8 Off-the-Shelf (OTS) Plug Cable Assembly, Single Row, 1.0m, 10 Circuits, Black

**Series Number :** 45146

**Status :** Active

**Product Category :** Power and Signal Cable Assemblies



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## Documents & Resources

### Drawings

[451461010 sd.pdf](#)

[STEP AP242](#)


[SOLIDWORKS](#)

[Creo](#)

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## Product Environment Compliance

### Compliance

|                    |  |
|--------------------|--|
| GADSL/IMDS         | Not Relevant   |
| China RoHS         | <br>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(2025)4165-DC (25 June 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                 | 45146  |
| Description            | Squba 1.8-to-Squba 1.8 Off-the-Shelf (OTS) Plug Cable Assembly, Single Row, 1.0m, 10 Circuits, Black |
| Application            | Power, Signal, Wire-to-Wire  |
| Assembly Configuration | Dual Ended Connectors  |
| Connector to Connector | Squba 1.8-to-Squba 1.8   |
| Product Name           | Squba  |
| Type                   | Discrete Wire Assembly, Sealed Assembly  |
| UPC                    | 191128910279   |

### Electrical

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

### Physical

|                     |           |
|---------------------|-----------|
| Cable Length        | 1.0m      |
| Circuits (Loaded)   | 10        |
| Circuits (maximum)  | 10        |
| Color - Resin       | Black     |
| Gender              | Male-Male |
| Lock to Mating Part | Yes       |

|                                |                      |
|--------------------------------|----------------------|
| Material - Metal               | Copper Alloy         |
| Material - Plating Mating      | Matte Tin            |
| Material - Plating Termination | Matte Tin            |
| Material - Resin               | Nylon                |
| Net Weight                     | 62.500/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                   |

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## Mates With / Use With

### Mates with Part(s)

| Description                                       | Part Number   |
|---|---------------|
| Squba 1.8 Sealed Single Row Receptacle Assemblies | <u>204220</u> |