



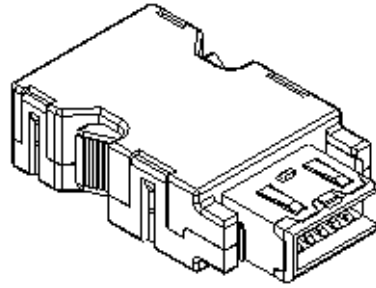
Part Number : [545991016](#)

Product Description : 2.00mm Pitch I/O Hand Soldering Type Plug Set, Black Cover, 10 Circuits

Series Number : 54599

Status : Active

Product Category : I/O Connectors



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## Documents & Resources

### Drawings

[Drawing 545991016\\_sd.pdf](#)

### 3D Models and Design Files

[3D Model 545991016\\_stp.zip](#)

### Specifications

[Application Specification AS-54599-003-001.pdf](#)


[Packaging Specification 545999200SPK-200.pdf](#)

[Product Specification PS-55445-002-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

### [Multiple Part Product Compliance Statements](#)

- Eu RoHS
- REACH SVHC
- Low-Halogen

### [Multiple Part Industry Compliance Documents](#)

- IPC 1752A Class C

- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

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## Part Details

### General

Status	Active
Category	I/O Connectors
Series	54599
Description	2.00mm Pitch I/O Hand Soldering Type Plug Set, Black Cover, 10 Circuits
Application	Wire-to-Board
Component Type	Kit
Product Family	2.00mm I/O Connectors
Product Name	2.00mm I/O Connectors
Type	N/A
UPC	883906714703

### Agency

UL	E29179
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### Electrical

Current - Maximum per Contact	2.0A
Shielded	Yes
Voltage - Maximum	125V AC (RMS)/DC

### Physical

Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black
Durability (mating cycles max)	50
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze

Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyamide, Polycarbonate
Net Weight	13157.571/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface	2.00mm
Plating min - Mating	0.305µm
Plating min - Termination	1.016µm
Polarized to Mating Part	Yes
Temperature Range - Operating	-40° to +85°C
Termination Interface Style	Solder or Weld

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
2.00mm Pitch I/O PCB Receptacle, Upright-Style, Phosphor Bronze Shell, 10 Circuits	<u>554451029</u>