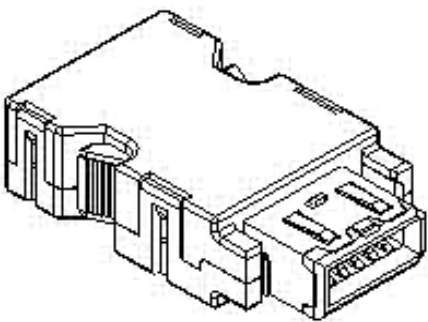




Part Number : [545991019](#)
Product Description : 2.00mm Pitch I/O Hand
Soldering Type Plug Set, Gray Cover, 10 Circuits
Series Number : 54599
Status : Active
Product Category : I/O Connectors



Documents & Resources

Drawings

[545991019_sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

Specifications

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

[545999200SPK-200.pdf](#)

[PS-55445-007-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44
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 2-(2H-Benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol; Perfluorobutane sulfonic acid (PFBS) and its salts 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

Part Details

General

Status	Active
Category	I/O Connectors
Series	54599
Description	2.00mm Pitch I/O Hand Soldering Type Plug Set, Gray Cover, 10 Circuits
Application	Wire-to-Board
Component Type	Kit
Product Name	2.00mm I/O Connectors
Type	N/A
UPC	822348383009

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, Gray
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	12870.178/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

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>