



Part Number : 545991019

Series Number : 54599

Product Category : I/O Connectors

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

Status : Active

Documents & Resources


Drawings
[Drawing 545991019_sd.pdf](#)

3D Models and Design Files
[3D Model 545991019_stp.zip](#)

Specifications
[Application Specification AS-54599-003-001.pdf](#)
[Packaging Specification 545999200SPK-200.pdf](#)
[Product Specification PS-55445-007-001.pdf](#)

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

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 Family	2.00mm I/O Connectors
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>