

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0545991019**  
**Status:** **Active**  
**Description:** 2.00mm Pitch I/O Hand Soldering Type Plug Set, Gray Cover, 10 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-54599-003-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification 545999200SPK-200 (PDF)</a>
<a href="#">Product Specification PS-55445-007-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

UL E29179

**General**

Product Family	I/O Connectors
Series	54599
Application	Wire-to-Board
Component Type	Kit
Product Name	N/A
Type	N/A
UPC	822348383009

**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	13145.781/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°C to +85°C
Termination Interface: Style	Solder or Weld

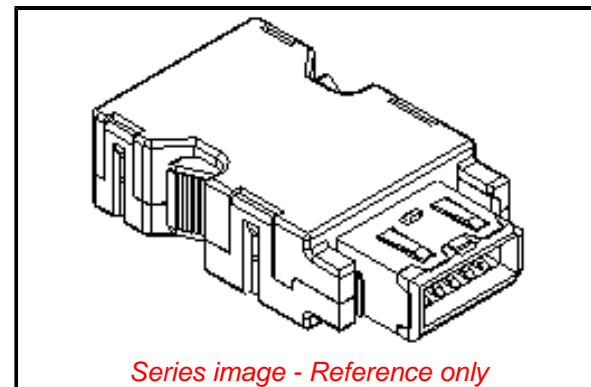
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

Application Specification	AS-54599-003-001
Packaging Specification	545999200SPK-200
Product Specification	PS-55445-007-001
Sales Drawing	SD-54599-006



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per  
-ED/01/2018 (15  
January 2018)

**Halogen-Free**

**Status**

**Not Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

54599 Series

**Mates With**

2.00mm Pitch I/O PCB Receptacle  
55445-1019 , 55445-1029

This document was generated on 07/10/2018

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**