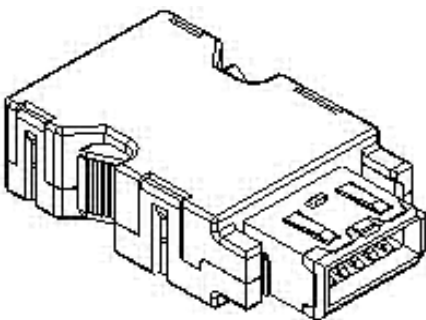




**Part Number :** [545991019](#)  
**Product Description :** 2.00mm Pitch I/O Hand  
Soldering Type Plug Set, Gray Cover, 10 Circuits  
**Series Number :** 54599  
**Status :** Active  
**Product Category :** I/O Connectors



## Documents and 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)6375-DC (05 Nov 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 |
|----|--------|

### 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 (PA), 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                |

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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><a href="#">554451029</a></u> |

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