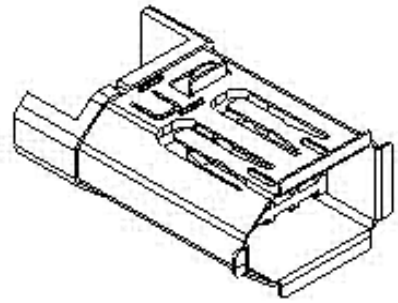
**Part Number :** 539880619
**Product Description :** 2.00mm Pitch Serial I/O Connector, Receptacle, Wire-to-Wire, Solder Type, 6 Circuits
**Series Number :** 53988
**Status :** Active
**Product Category :** I/O Connectors



## Documents and Resources

### Drawings

539880619_sd.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

### Specifications

PS-54280-005-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 33 |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

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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

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | I/O Connectors |
| Series | 53988 |
| Description | 2.00mm Pitch Serial I/O Connector, Receptacle, Wire-to-Wire, Solder Type, 6 Circuits |
| Application | Wire-to-Wire |
| Component Type | Receptacle |
| Product Name | N/A |
| Type | N/A |
| UPC | 822348190812 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 2.0A |
| Shielded | Yes |
| Voltage - Maximum | 125V |

### Physical

| | |
|---|---|
| Circuits (Loaded) | 6 |
| Circuits (maximum) | 6 |
| Color - Resin | Black |
| Lock to Mating Part | Yes |
| Material - Metal | Phosphor Bronze |

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| | |
|---|---|
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 2649.366/mg |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Bag |
| Panel Mount | No |
| PCB Retention | N/A |
| Pitch - Mating Interface | 2.00mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 3.048µm |
| Polarized to Mating Part | Yes |
| Ports | 1 |
| Temperature Range - Operating | -40° to +85°C |
| Termination Interface Style | N/A |
| Wire Insulation Diameter | 2.10mm max. |
| Wire Size (AWG) | 16 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| 2.00mm Pitch Serial I/O Connectors | 55100 |



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