



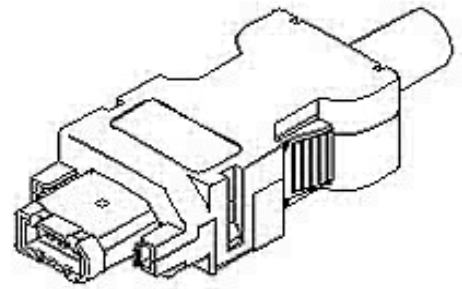
**Part Number :** [5006540609](#)

**Product Description :** 2.00mm Pitch Serial I/O Connector, Plug Kit, Wire-to-Wire, Crimp Type, 6 Circuits

**Series Number :** 500654

**Status :** Active

**Product Category :** I/O Connectors



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## Documents and Resources

### Drawings

[5006540609\\_sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

### Specifications

[5006540609AS-A00.pdf](#)


[5006549200-SPK-201.pdf](#)

[PS-500655-002-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
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)7771-DC (04 Feb 2026)

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 ComplianceAdditional Product Compliance Information**Part Details****General**

Status	Active
Category	I/O Connectors
Series	500654
Description	2.00mm Pitch Serial I/O Connector, Plug Kit, Wire-to-Wire, Crimp Type, 6 Circuits
Application	Wire-to-Wire
Component Type	Plug
Product Name	2.00mm I/O Connectors
Type	N/A
UPC	822348366064

**Electrical**

Current - Maximum per Contact	1.5A
Shielded	Yes
Voltage - Maximum	125V

**Physical**

Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black, Gray
Lock to Mating Part	Yes
Material - Metal	Stainless Steel
Material - Plating Mating	N/A
Material - Resin	Polycarbonate, Polyester
Net Weight	9073.064/mg
Orientation	Vertical
Packaging Type	Bag
Panel Mount	No
PCB Retention	N/A
Pitch - Mating Interface	2.00mm
Polarized to Mating Part	Yes
Temperature Range - Operating	-40° to +85°C
Termination Interface Style	N/A
Wire Insulation Diameter	1.20mm
Wire Size (AWG)	24, 26, 28

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
2.00mm Pitch IEEE 1394-1995 Shielded I/O PCB Socket, Right-Angle, Flat, Surface Mount, 6 Circuits, Tray Packaging	<a href="#"><u>534620629</u></a>
2.00mm Pitch Serial I/O Connector, Socket Kit, Wire-to-Wire Crimp Type, Without Flange, 6 Circuits	<a href="#"><u>5006550609</u></a>
2.00mm Pitch Serial I/O Connector, Socket Kit, Wire-to-Wire Crimp Type, With Flange, 6 Circuits	<a href="#"><u>5006550619</u></a>
2.00mm Pitch Serial I/O Connector, Receptacle Kit, Wire-	<a href="#"><u>542800609</u></a>

to-Wire, Solder Type, 6 Circuits	
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**Use with Part(s)**

Description	Part Number
2.00mm Pitch Male Crimp Terminals	<u>50639</u>

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This document was generated on May 08, 2026