



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

Documents & Resources

Drawings

[Drawing 5006540609_sd.pdf](#)

3D Models and Design Files

[3D Model 5006540609_stp.zip](#)

Specifications


[Application Specification 5006540609AS-A00.pdf](#)

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

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

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
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(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	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 Family	2.00mm I/O Connectors
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

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	<u>534620629</u>
2.00mm Pitch Serial I/O Connector, Socket Kit, Wire-to-Wire Crimp Type, Without Flange, 6 Circuits	<u>5006550609</u>
2.00mm Pitch Serial I/O Connector, Socket Kit, Wire-to-Wire Crimp Type, With Flange, 6 Circuits	<u>5006550619</u>
2.00mm Pitch Serial I/O Connector, Receptacle Kit, Wire-to-Wire, Solder Type, 6 Circuits	<u>542800609</u>

Use with Part(s)

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