

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

**Part Number:** [5006540609](#)  
**Status:** **Active**  
**Overview:** [2.00mm I/O Connectors](#)  
**Description:** 2.00mm Pitch Serial I/O Connector, Plug Kit, Wire-to-Wire, Crimp Type, 6 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-500655-002-001 \(PDF\)](#)  
[3D Model \(PDF\)](#) [Application Specification 5006540609AS-A00 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family I/O Connectors  
Series [500654](#)  
Application Wire-to-Wire  
Component Type Plug  
Overview [2.00mm I/O Connectors](#)  
Product Name 2.00mm I/O Connectors  
Type N/A  
UPC 822348366064

**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 9361.353/mg  
Orientation Vertical  
PCB Retention N/A  
Packaging Type Bag  
Panel Mount No  
Pitch - Mating Interface 2.00mm  
Polarized to Mating Part Yes  
Surface Mount Compatible (SMC) N/A  
Temperature Range - Operating -40° to +85°C  
Termination Interface: Style N/A  
Wire Insulation Diameter 1.20mm  
Wire Size AWG 24, 26, 28

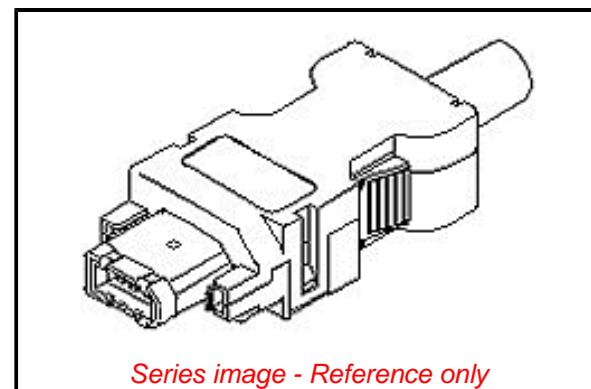
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

Application Specification [5006540609AS-A00](#)  
Product Specification [PS-500655-002-001](#)  
Sales Drawing [SD-500654-005-001](#)



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[500654](#) Series

**Mates With**

2.00mm Pitch IEEE 1394-1995 I/O  
PCB Sockets [534620629](#) <br>2.00mm  
Pitch Serial I/O Connector [542800609](#) ,  
[5006550609](#) , [5006550619](#)

**Use With**

Crimp Terminal [50639](#)