

**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	<a href="#">500654</a>
Application	Wire-to-Wire
Component Type	Plug
Overview	<a href="#">2.00mm I/O Connectors</a>
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

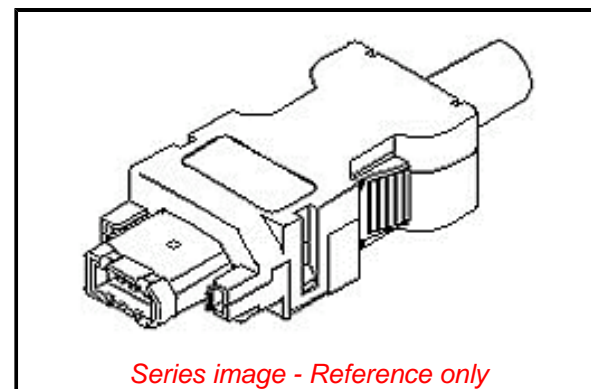
**Electrical**

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)9139-DC (19  
Jan 2021)

**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](#)

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