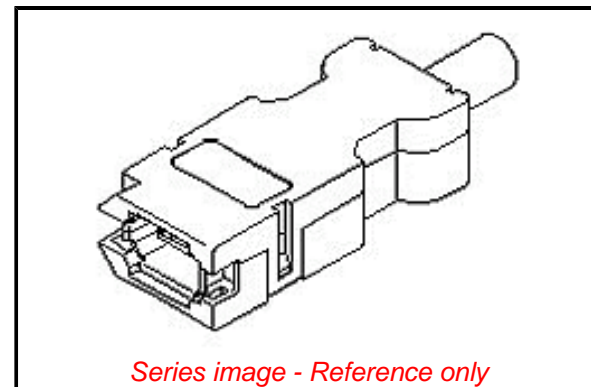


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0542800809**  
**Status:** **Active**  
**Overview:** 2.00mm I/O Connectors  
**Description:** 2.00mm Pitch Serial I/O Connector, Receptacle Kit, Wire-to-Wire, Solder Type, 8 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification 5006540609AS-A00 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Application Specification 551000680AS-A00 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-54280-005-001 (PDF)</a>	



**General**

Product Family	I/O Connectors
Series	54280
Application	Wire-to-Wire
Component Type	Receptacle
Overview	2.00mm I/O Connectors
Product Name	2.00mm I/O Connectors
Taxonomy	I/O Connectors
Type	N/A
UPC	822348189199

**Physical**

Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black, Gray
Durability (mating cycles max)	1500
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze, Steel
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic, Polycarbonate
Net Weight	10553.263/mg
Orientation	Vertical
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface	2.00mm
Plating min - Mating	0.762µm
Plating min - Termination	3.048µm
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	2.10mm max.
Wire Size AWG	16, 18, 20, 22, 24, 26, 28

**Electrical**

Current - Maximum per Contact	2.0A
Shielded	Yes
Voltage - Maximum	125V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Application Specification	5006540609AS-A00, 551000680AS-A00
Product Specification	PS-54280-005-001
Sales Drawing	SD-54280-009-001

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**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**

54280 Series

**Mates With**

2.00mm Pitch Serial I/O Connector  
551000870 , 5006540809

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