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**Part Number:** **0542800609**  
**Status:** **Active**  
**Description:** 2.00mm Pitch Serial I/O Connector, Receptacle Kit, Wire-to-Wire, Solder Type, 6 Circuits

**Documents:**

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

**General**

Product Family	I/O Connectors
Series	<a href="#">54280</a>
Application	Wire-to-Wire
Component Type	Receptacle
Product Name	N/A
Type	N/A
UPC	822348189182

**Physical**

Circuits (Loaded)	6
Circuits (maximum)	6
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	10421.894/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°C to +85°C
Termination Interface: Style	N/A
Wire Insulation Diameter	2.10mm max.
Wire Size AWG	16, 18, 20, 22, 24, 26, 28

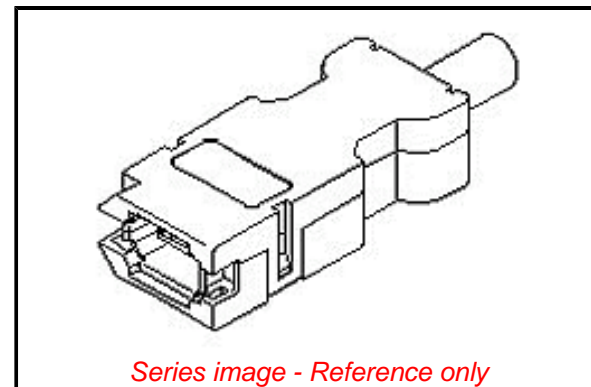
**Electrical**

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-54280-008, SD-54280-011-001



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2018 (15  
January 2018)

**Halogen-Free**

**Status**

**Not Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[54280](#) Series

**Mates With**

2.00mm Pitch Serial I/O Connector  
[55100-0670](#) , [500654-0609](#) <br> Crimp  
Terminal [50639-8028](#)

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