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**Part Number:** [0542800609](#)  
**Status:** **Active**  
**Overview:** [2.00mm I/O Connectors](#)  
**Description:** 2.00mm Pitch Serial I/O Connector, Receptacle Kit, Wire-to-Wire, Solder Type, 6 Circuits

**Documents:**

[3D Model](#) [Application Specification 5006540609AS-A00 \(PDF\)](#)  
[3D Model \(PDF\)](#) [Application Specification 551000680AS-A00 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-54280-005-001 \(PDF\)](#)

**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  
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 10000.080/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

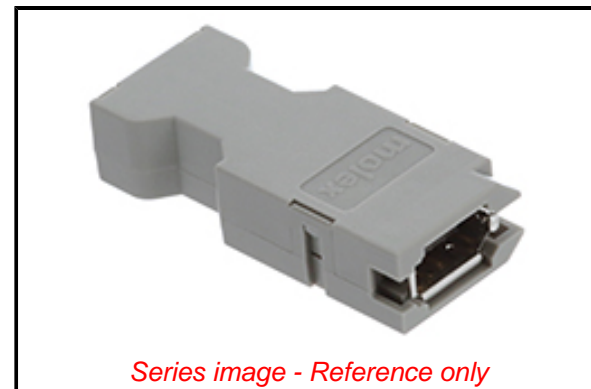
**Electrical**

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-54280-008-001](#), [SD-54280-011-001](#)



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 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**

[54280 Series](#)

**Mates With**

[2.00mm Pitch Serial I/O Connector](#)  
[551000670](#) , [551000680](#) , [5006540609](#)

This document was generated on 01/05/2022

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