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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:**

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

**General**

Product Family I/O Connectors  
 Series [54280](#)  
 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  
 Gender Receptacle  
 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

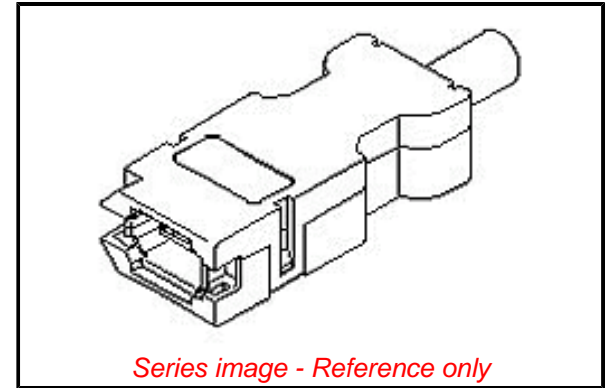
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-54280-005-001  
 Sales Drawing SD-54280-008, SD-54280-011



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
 -ED/01/2017 (12  
 January 2017)

**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	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[54280 Series](#)

**Mates With**

[55100](#)