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**Part Number:** **0524181010**  
**Status:** **Active**  
**Description:** 2.00mm Pitch Board-to-Board Receptacle, Right Angle, Single Row, Friction Lock, 10 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-52418-003-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family PCB Receptacles  
 Series [52418](#)  
 Application Board-to-Board, Signal  
 Product Name N/A  
 UPC 800753567993

**Physical**

Circuits (Loaded) 10  
 Circuits (maximum) 10  
 Color - Resin Natural  
 Durability (mating cycles max) 30  
 Glow-Wire Compliant No  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Material - Resin Polyester  
 Net Weight 465.600/mg  
 Number of Rows 1  
 Orientation Right Angle  
 PCB Locator No  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Tray  
 Pitch - Mating Interface 2.00mm  
 Plating min - Mating 0.914µm  
 Plating min - Termination 0.914µm  
 Polarized to PCB No  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Through Hole - Kinked Pin

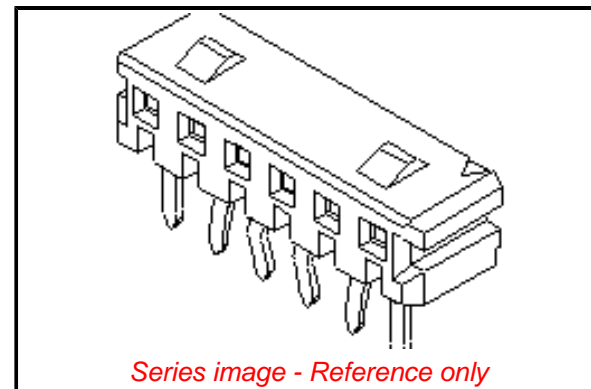
**Electrical**

Current - Maximum per Contact 1.5A  
 Voltage - Maximum 125V

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-52418-003-001  
 Sales Drawing SD-52418-\*\*10



**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**

[52418 Series](#)

**Mates With**

[53290](#)