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**Part Number:** **0524181810**  
**Status:** **Active**  
**Description:** 2.00mm (.079") Pitch Board-to-Board Receptacle, Right Angle, Single Row, Friction Lock, 18 Circuits

**Documents:**

[3D Model](#)  
[Drawing \(PDF\)](#)  
[Product Specification PS-52418-002 \(PDF\)](#)  
[Product Specification PS-52418-003 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**General**

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

**Physical**

Circuits (Loaded) 18  
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  
Number of Rows 1  
Orientation Right Angle  
PCB Locator No  
PCB Retention Yes  
PCB Thickness Recommended (in) 0.062 In  
PCB Thickness Recommended (mm) 1.60 mm  
Packaging Type Tray  
Pitch - Mating Interface (in) 0.079 In  
Pitch - Mating Interface (mm) 2.00 mm  
Plating min: Mating (µin) 36  
Plating min: Mating (µm) 0.90  
Plating min: Termination (µin) 36  
Plating min: Termination (µm) 0.90  
Polarized to PCB No  
Surface Mount Compatible (SMC) No  
Temperature Range - Operating -40°C to +105°C  
Termination Interface: Style Through Hole - Kinked Pin

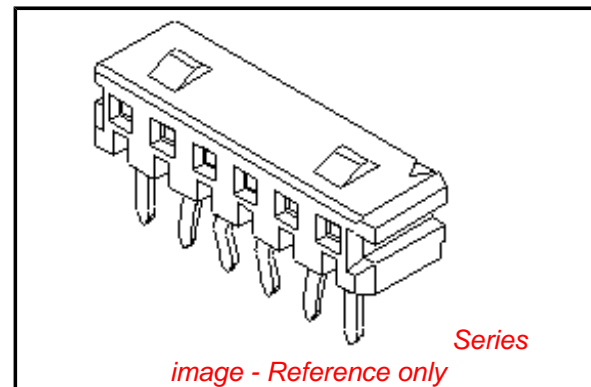
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-52418-002, PS-52418-003, RPS-52418-001, RPS-52418-004  
Sales Drawing SD-52418-\*\*10



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Halogen-Free Status**  
**Not Reviewed**

**China RoHS**



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[52418Series](#)

**Mates With**

[53290](#)

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