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**Part Number:** **0524181810**  
**Status:** **Active**  
**Overview:** SlimStack Board-to-Board Connectors  
**Description:** 2.00mm Pitch SlimStack Board-to-Board Receptacle, Right-Angle, Single Row, Friction Lock, 18 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-52418-003-001 \(PDF\)](#)  
[3D Model \(PDF\)](#) [Packaging Specification 524189200-SPK-200 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family PCB Receptacles  
Series 52418  
Application Board-to-Board, Signal  
Overview [SlimStack Board-to-Board Connectors](#)  
Product Name SlimStack  
UPC 800753757752

**Physical**

Circuits (Loaded) 18  
Circuits (maximum) 18  
Color - Resin Natural  
Durability (mating cycles max) 30  
Glow-Wire Capable No  
Mated Height 3.95mm  
Mated Width 6.00mm  
Material - Metal Phosphor Bronze  
Material - Plating Mating Tin  
Material - Plating Termination Tin  
Material - Resin Polyester  
Net Weight 819.000/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° to +105°C  
Termination Interface: Style Through Hole - Kinked Pin

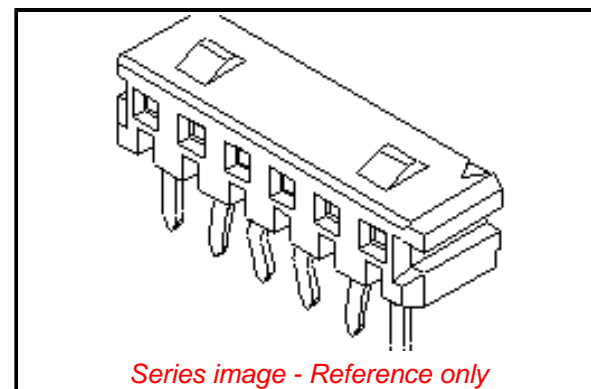
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification 524189200-SPK-200  
Product Specification PS-52418-003-001



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**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**

52418 Series

**Mates With**

53290

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