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**Part Number:** **0541020204**  
**Status:** **Active**  
**Overview:** SlimStack™ 0.50mm Pitch Board-to-Board Connectors  
**Description:** 0.50mm Pitch SlimStack Receptacle, Surface Mount, Dual Row, Vertical, 2.50mm Stacking Height, Gold Plating with Nickel Barrier, 20 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-54102-011-001 \(PDF\)](#)  
[3D Model \(PDF\)](#) [Packaging Specification SPK-54102-001-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family PCB Receptacles  
Series 54102  
Application Board-to-Board, Signal  
Overview SlimStack™ 0.50mm Pitch Board-to-Board Connectors  
Product Name SlimStack  
UPC 822348279968

**Physical**

Circuits (Loaded) 20  
Circuits (maximum) 20  
Color - Resin Black  
Durability (mating cycles max) 30  
Glow-Wire Capable No  
Lock to Mating Part Yes  
Mated Height 2.50mm  
Mated Width 5.30mm  
Material - Metal Phosphor Bronze  
Material - Plating Mating Gold  
Material - Plating Termination Gold  
Net Weight 89.581/mg  
Number of Rows 2  
Orientation Vertical  
PCB Locator No  
PCB Retention None  
PCB Thickness - Recommended 1.60mm  
Packaging Type Embossed Tape on Reel  
Pitch - Mating Interface 0.50mm  
Polarized to Mating Part No  
Polarized to PCB No  
Temperature Range - Operating -40° to +105°C  
Termination Interface: Style Surface Mount

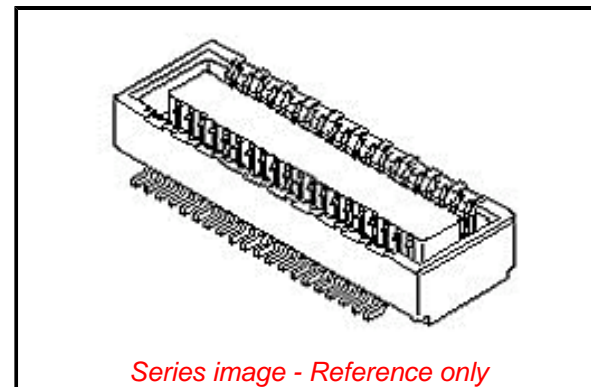
**Electrical**

Current - Maximum per Contact 0.5A  
Voltage - Maximum 50V

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification SPK-54102-001-001  
Product Specification PS-54102-011-001  
Sales Drawing SD-54102-006, SD-54102-007



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ECHA\_01\_2020 (16  
January 2020

**Halogen-Free**

**Status**

**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**

[54102 Series](#)

**Mates With**

[500334 PCB Header](#), [53885 PCB Header](#)

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