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**Part Number:** [0541020164](#)  
**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, 16 Circuits

**Documents:**

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

**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 822348279951

**Physical**

Circuits (Loaded) 16  
 Circuits (maximum) 16  
 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 76.125/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  
 Stackable No  
 Temperature Range - Operating -40° to +105°C  
 Termination Interface: Style Surface Mount

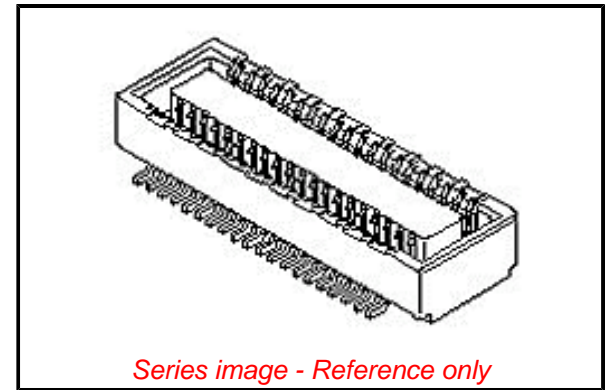
**Electrical**

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 - ED/61/2018 (27 June 2018)

**Halogen-Free**

**Status**

**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

ELV

RoHS Phthalates

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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