

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0541020504](#)  
**Status:** **Active**  
**Overview:** SlimStack Board-to-Board/Board-to-FPC Connectors  
**Description:** 0.50mm Pitch SlimStack Receptacle, Surface Mount, Dual Row, Vertical, 2.50mm Stacking Height, Gold Plating with Nickel Barrier, 50 Circuits

**Documents:**

<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification SPK-54102-001-001 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-54102-011-001 (PDF)</a>	

**Agency Certification**

UL E29179

**General**

Product Family	PCB Receptacles
Series	<a href="#">54102</a>
Application	Board-to-Board, Signal
Overview	<a href="#">SlimStack Board-to-Board/Board-to-FPC Connectors</a>
Product Name	SlimStack
Series Name	0.5, BB H2.5
UPC	822348279999

**Physical**

Circuits (Loaded)	50
Circuits (maximum)	50
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	190.451/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

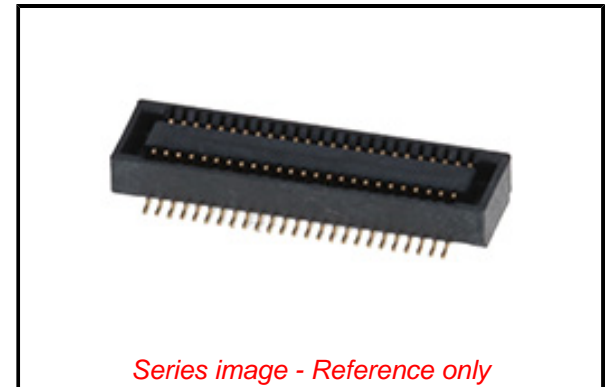
**Electrical**

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



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**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](#)

This document was generated on 10/04/2021

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**