

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

**Part Number:** [0529910408](#)  
**Status:** **Active**  
**Overview:** SlimStack™ 0.50mm Pitch Board-to-Board Connectors  
**Description:** 0.50mm Pitch SlimStack Receptacle, Surface Mount, Dual Row, Vertical, 3.00 and 4.00mm Stacking Heights, Lower Circuit Size Version, White, 40 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-52991-008-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Product Specification PS-54167-002-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification 529919200-SPK-200 (PDF)</a>
<a href="#">Product Specification PS-52991-003-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

UL E29179

**General**

Product Family	PCB Receptacles
Series	<a href="#">52991</a>
Application	Board-to-Board, Signal
Overview	<a href="#">SlimStack™ 0.50mm Pitch Board-to-Board Connectors</a>
Product Name	SlimStack
UPC	800754318518

**Physical**

Circuits (Loaded)	40
Circuits (maximum)	40
Glow-Wire Capable	No
Mated Height	3.00mm, 4.00mm
Mated Width	5.40mm
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Net Weight	161.101/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
Plating min - Mating	0.102µm
Plating min - Termination	0.254µm
Polarized to PCB	No
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Surface Mount

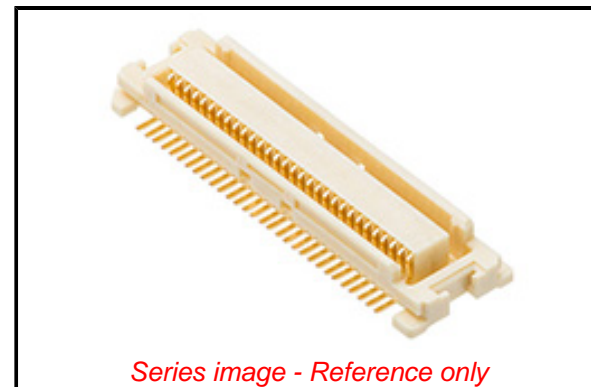
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	529919200-SPK-200
Product Specification	PS-52991-003-001, PS-52991-008-001, PS-54167-002-001
Sales Drawing	SD-52991-004-001, SD-52991-005



*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**

**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**

[52991 Series](#)

**Mates With**

Board-to-Board SlimStack Plug [53748](#) ,  
[53916](#) , [501920](#)

This document was generated on 07/14/2020

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