



**Part Number :** [529910308](#)  
**Product Description :** 0.50mm Pitch SlimStack Receptacle, Surface Mount, Dual Row, Vertical, 3.00 and 4.00mm Stacking Heights, Lower Circuit Size Version, White, 30 Circuits  
**Series Number :** 52991  
**Status :** Active  
**Product Category :** Board-to-Board Connectors



## Documents & Resources

**Drawings**  
[Drawing 529910308\\_sd.pdf](#)

**3D Models and Design Files**  
[3D Model 529910308\\_stp.zip](#)

**Specifications**  
[Packaging Specification 529919200-SPK-200.pdf](#)  
[Product Specification 529910000-PS-000.pdf](#)  
[Product Specification PS-52991-003-001.pdf](#)  
[Product Specification PS-52991-008-001.pdf](#)

## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements  
- Eu RoHS  
- REACH SVHC  
- Low-Halogen

## Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

Status	Active
Category	Board-to-Board Connectors
Series	52991
Description	0.50mm Pitch SlimStack Receptacle, Surface Mount, Dual Row, Vertical, 3.00 and 4.00mm Stacking Heights, Lower Circuit Size Version, White, 30 Circuits
Series Name	0.5, BB H3/4
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Family	SlimStack Board-to-Board/Board-to-FPC Connectors
Product Name	SlimStack
UPC	800754364355

#### Agency

UL	E29179
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#### Electrical

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

#### Physical

Circuits (Loaded)	30
Circuits (maximum)	30
Glow-Wire Capable	No
Mated Height	3.00mm, 4.00mm

Mated Width	5.40mm
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Net Weight	141.305/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	0.50mm
Plating min - Mating	0.102µm
Plating min - Termination	0.254µm
Polarized to PCB	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Surface Mount

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
0.50mm Pitch SlimStack Board-to-Board Vertical Stacking Plugs	<u>501920</u>
0.50mm Pitch Vertical SlimStack Plugs	<u>53748</u>
0.50mm Pitch Vertical SlimStack Plugs	<u>53916</u>