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**Part Number:** **5019205001**  
**Status:** **Active**  
**Overview:** SlimStack™ 0.50mm Pitch Board-to-Board Connectors  
**Description:** 0.50mm Pitch SlimStack Board-to-Board Plug, Surface Mount, Dual Row, Vertical Stacking, 4.00mm Stack Height, without Solder Tabs, 50 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-52991-009-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification 5019209200-200 (PDF)</a>
<a href="#">Product Specification PS-52991-008-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**General**

Product Family	PCB Headers
Series	501920
Application	Board-to-Board, Signal
Overview	<a href="#">SlimStack™ 0.50mm Pitch Board-to-Board Connectors</a>
Product Name	SlimStack
UPC	883906031961

**Physical**

Breakaway	No
Circuits (Loaded)	50
Circuits (maximum)	50
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Mated Height	4.00mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	139.550/mg
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	0.50mm
Polarized to Mating Part	No
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount

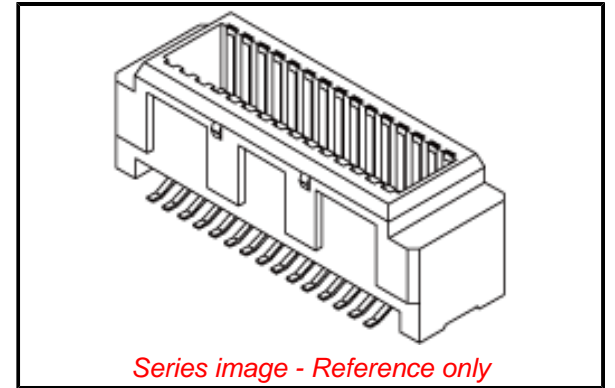
**Electrical**

Current - Maximum per Contact	0.5A
Voltage - Maximum	50V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	5019209200-200
Product Specification	PS-52991-008-001, PS-52991-009-001
Sales Drawing	SD-501920-002, SD-501920-003



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2018 (15  
January 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**

[501920](#) Series

**Mates With**

SlimStack Receptacle [52991](#) , [54167](#)

This document was generated on 02/28/2018

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