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**Part Number:** [501920-4001](#)  
**Status:** **Active**  
**Overview:** SlimStack™ 0.50mm Pitch  
**Description:** 0.50mm Pitch SlimStack™ Board-to-Board Plug, SMT, Dual Row, Vertical Stacking, 4.00mm Stack Height, without Solder Tabs, 40 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-52991-008 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

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

**Physical**

Breakaway	No
Circuits (Loaded)	40
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Compliant	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
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

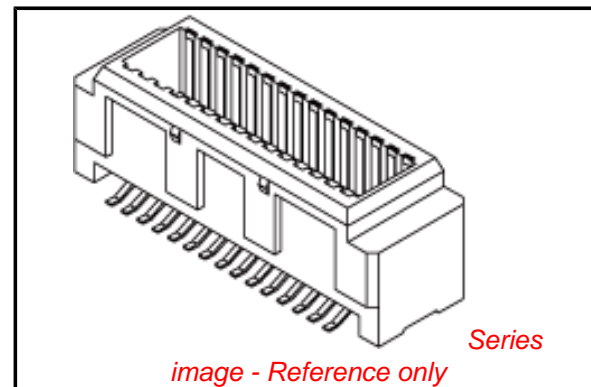
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

Product Specification	PS-52991-008, RPS-52991-015
Sales Drawing	SD-501920-001, SD-501920-002



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[501920Series](#)

**Mates With**

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