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**Part Number:** [5015941211](#)  
**Status:** **Active**  
**Overview:** SlimStack™ 0.40mm Pitch Board-to-Board Connectors  
**Description:** 0.40mm Pitch SlimStack Board-to-Board Plug, Surface Mount, Dual Row, Vertical Stacking, 0.90mm Stacking Height, with Solder Tabs, 12 Circuits

**Documents:**

[3D Model](#) [Packaging Specification SPK-501594-001-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-501591-002-001 \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

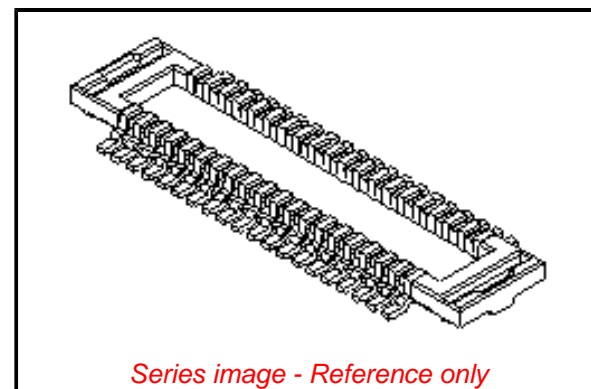
Product Family PCB Headers  
 Series [501594](#)  
 Application Board-to-Board, Signal  
 Data Load Status Collected FY08-Verified FY08  
 Doc Info - Component E-501594-005\_G, E-501594-006\_F, RPS-501591-010\_C, SD-501591-005\_E, SD-501594-005\_D, SD-501594-006\_C  
 Made From 5015920018, 5015931228, 5018360009  
 Overview [SlimStack™ 0.40mm Pitch Board-to-Board Connectors](#)  
 Product Name SlimStack  
 UPC 800756883533

**Physical**

Breakaway No  
 Circuits (Loaded) 12  
 Circuits (maximum) 12  
 Color - Resin Black  
 Durability (mating cycles max) 20  
 Flammability 94V-0  
 Glow-Wire Capable No  
 Lock to Mating Part Yes  
 Mated Height 0.90mm  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Net Weight 9.389/mg  
 Number of Rows 2  
 Orientation Vertical  
 PCB Locator No  
 PCB Retention Yes  
 Packaging Type Embossed Tape on Reel  
 Pitch - Mating Interface 0.40mm  
 Polarized to Mating Part No  
 Polarized to PCB No  
 Stackable No  
 Surface Mount Compatible (SMC) Yes  
 Temperature Range - Operating -25°C to +85°C  
 Temperature Range NonOperating -25°C to +85°C  
 Termination Interface: Style Surface Mount

**Electrical**

Current - Maximum per Contact 0.3A  
 Voltage - Maximum 50V AC (RMS)/DC



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	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[501594 Series](#)

**Mates With**

[501591 SlimStack Board-to-Board Receptacle](#)

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification

Product Specification

Sales Drawing

SPK-501594-001-001

PS-501591-002-001

SD-501594-005, SD-501594-006

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