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**Part Number:** [501594-2011](#)  
**Status:** **Active**  
**Overview:** SlimStack™ 0.40mm Pitch Board-to-Board Connectors  
**Description:** 0.40mm Pitch SlimStack™ Board-to-Board Plug, SMT, Dual Row, Vertical Stacking, 0.90mm Stacking Height, with Solder Tabs, 20 Circuits

**Documents:**

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

**Agency Certification**

UL E29179

**General**

Product Family PCB Headers  
 Series [501594](#)  
 Application Board-to-Board, Signal  
 Overview [SlimStack™ 0.40mm Pitch Board-to-Board Connectors](#)  
 Product Name SlimStack™  
 UPC 822350792622

**Physical**

Breakaway No  
 Circuits (Loaded) 20  
 Circuits (maximum) 20  
 Color - Resin Black  
 Durability (mating cycles max) 20  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Lock to Mating Part Yes  
 Mated Height 0.90mm  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Net Weight 12.381/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  
 Termination Interface: Style Surface Mount

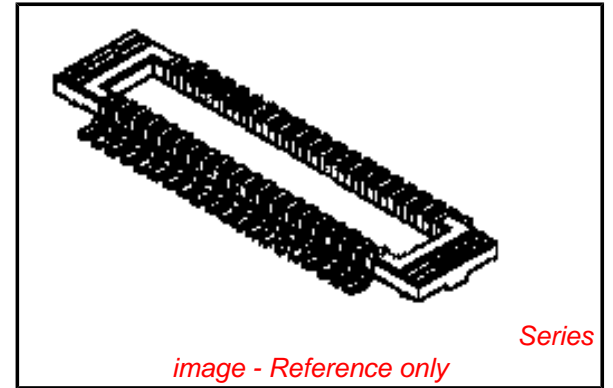
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

Package Specification SPK-501594-001



**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**

[501594Series](#)

**Mates With**

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

Product Specification

PS-501591-002, RPS-501591-007, RPS-501591-010,  
RPS-501591-011, RPS-501591-012, RPS-501591-013,  
RPS-501591-014, RPS-501591-016, RPS-501591-017,  
RPS-501591-019, RPS-501591-020  
SD-501594-005, SD-501594-006

Sales Drawing

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