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**Part Number:** **[504248-4010](#)**  
**Status:** **Active**  
**Overview:** SlimStack™ 0.40mm Pitch Board-to-Board Connectors  
**Description:** 0.40mm Pitch SlimStack™ ST8 Board-to-Board Plug, Surface Mount, Dual Row, Vertical, 0.80mm Stacking Height, 40 Circuits

**Documents:**

[Drawing \(PDF\)](#) [Packaging Specification SPK-504248-001 \(PDF\)](#)  
[Product Specification PS-504208-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-504208-003 \(PDF\)](#)

**General**

Product Family PCB Headers  
Series [504248](#)  
Application Board-to-Board, Signal  
Overview [SlimStack™ 0.40mm Pitch Board-to-Board Connectors](#)  
Product Name SlimStack™  
UPC 887191544489

**Physical**

Breakaway No  
Circuits (Loaded) 40  
Circuits (maximum) 40  
Color - Resin Black  
Durability (mating cycles max) 30  
Glow-Wire Compliant No  
Mated Height 0.80mm  
Material - Metal Copper Alloy  
Material - Plating Mating Gold  
Material - Plating Termination Gold  
Material - Resin Liquid Crystal Polymer  
Net Weight 9.916/mg  
Number of Rows 2  
Orientation Vertical  
PCB Locator No  
PCB Retention Yes  
Packaging Type Embossed Tape on Reel  
Pitch - Mating Interface 0.40mm  
Pitch - Termination Interface 0.40mm  
Polarized to Mating Part No  
Polarized to PCB No  
Stackable No  
Temperature Range - Operating -40°C to +85°C  
Termination Interface: Style Surface Mount

**Electrical**

Current - Maximum per Contact 0.3A  
Voltage - Maximum 50V

**Material Info**

**Reference - Drawing Numbers**

[Packaging Specification](#) SPK-504248-001  
[Product Specification](#) PS-504208-001, PS-504208-003  
[Sales Drawing](#) SD-504248-002, SD-504248-005, SD-504248-007

**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**

[504248Series](#)

**Mates With**

[504208](#) SlimStack™ ST8 Board-to-Board Receptacle

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