

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [501594-5411](#)
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, 54 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 822350792691

Physical

Breakaway No
 Circuits (Loaded) 54
 Circuits (maximum) 54
 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 24.947/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

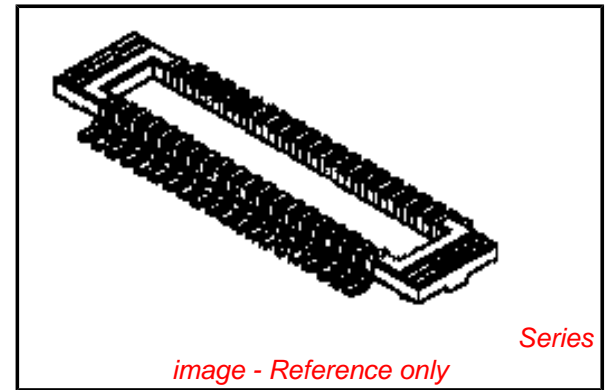


image - Reference only

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
 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

This document was generated on 02/04/2013

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION