

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0541020504](#)
Status: **Active**
Overview: SlimStack™ 0.50mm Pitch Board-to-Board Connectors
Description: 0.50mm Pitch SlimStack Receptacle, Surface Mount, Dual Row, Vertical, 2.50mm Stacking Height, Gold Plating with Nickel Barrier, 50 Circuits

Documents:

[3D Model](#) [Packaging Specification SPK-54102-001-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-54102-011-001 \(PDF\)](#)

Agency Certification

UL E29179

General

Product Family PCB Receptacles
 Series [54102](#)
 Application Board-to-Board, Signal
 Overview [SlimStack™ 0.50mm Pitch Board-to-Board Connectors](#)
 Product Name SlimStack
 UPC 822348279999

Physical

Circuits (Loaded) 50
 Circuits (maximum) 50
 Color - Resin Black
 Durability (mating cycles max) 30
 Glow-Wire Capable No
 Lock to Mating Part Yes
 Mated Height 2.50mm
 Mated Width 5.30mm
 Material - Metal Phosphor Bronze
 Material - Plating Mating Gold
 Material - Plating Termination Gold
 Net Weight 190.451/mg
 Number of Rows 2
 Orientation Vertical
 PCB Locator No
 PCB Retention None
 PCB Thickness - Recommended 1.60mm
 Packaging Type Embossed Tape on Reel
 Pitch - Mating Interface 0.50mm
 Polarized to Mating Part No
 Polarized to PCB No
 Temperature Range - Operating -40° to +105°C
 Termination Interface: Style Surface Mount

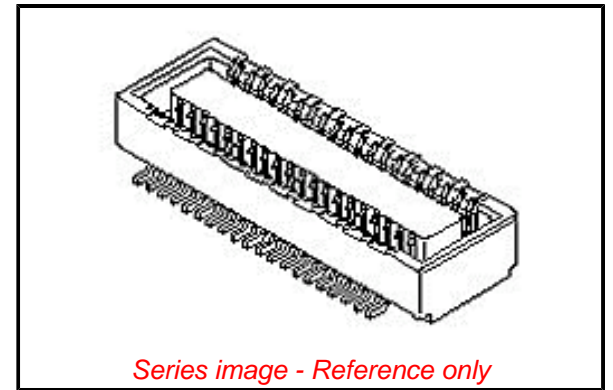
Electrical

Current - Maximum per Contact 0.5A
 Voltage - Maximum 50V

Material Info

Reference - Drawing Numbers

Packaging Specification SPK-54102-001-001
 Product Specification PS-54102-011-001
 Sales Drawing SD-54102-006, SD-54102-007



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/61/2018 (27 June
 2018)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[54102 Series](#)

Mates With

[500334 PCB Header](#), [53885 PCB Header](#)

This document was generated on 10/19/2018

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[54102-0504](#)