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Part Number: **0541020204**
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, 20 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 822348279968

Physical

Circuits (Loaded) 20
Circuits (maximum) 20
Color - Resin Black
Durability (mating cycles max) 30
Glow-Wire Compliant No
Lock to Mating Part Yes
Mated Height 2.50mm
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Gold
Net Weight 89.581/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
Stackable No
Temperature Range - Operating -40°C to +105°C
Termination Interface: Style Surface Mount

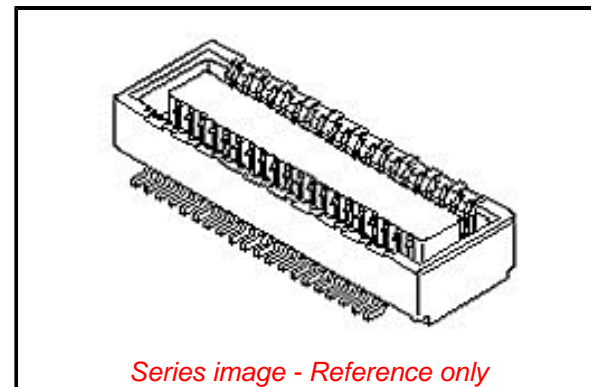
Electrical

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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2017 (12
January 2017)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

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

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