

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0559090674](#)
Status: **Active**
Overview: SlimStack™ 0.40mm Pitch Board-to-Board Connectors
Description: 0.40mm Pitch Board-to-Board SlimStack™ Plug, Surface Mount, Dual Row, Vertical Stacking, 60 Circuits

Documents:

[3D Model](#) [Packaging Specification SPK-55909-001-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-51338-002-001 \(PDF\)](#)

General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 55909 |
| Application | Board-to-Board, Signal |
| Comments | Solder Tab Plating: Tin |
| Overview | SlimStack™ 0.40mm Pitch Board-to-Board Connectors |
| Product Name | SlimStack™ |
| UPC | 822348176106 |

Physical

| | |
|--------------------------------|-----------------------|
| Breakaway | No |
| Circuits (Loaded) | 60 |
| Circuits (maximum) | 60 |
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| Glow-Wire Compliant | No |
| Keying to Mating Part | None |
| Lock to Mating Part | Yes |
| Mated Height | 1.50mm, 1.80mm |
| Material - Metal | Brass |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Gold |
| Net Weight | 53.600/mg |
| Number of Rows | 2 |
| Orientation | Vertical |
| PCB Locator | No |
| PCB Retention | Yes |
| Packaging Type | Embossed Tape on Reel |
| Pitch - Mating Interface | 0.40mm |
| Stackable | No |
| Temperature Range - Operating | -25°C to +85°C |
| Termination Interface: Style | Surface Mount |

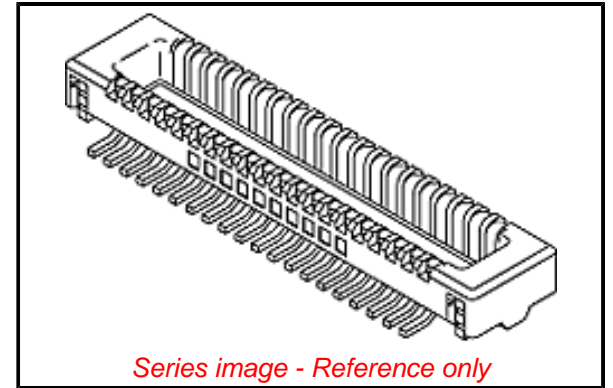
Electrical

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

Material Info

Reference - Drawing Numbers

| | |
|-------------------------|----------------------------|
| Packaging Specification | SPK-55909-001-001 |
| Product Specification | PS-51338-002-001 |
| Sales Drawing | SD-55909-003, SD-55909-004 |



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 | Green Image |
| ELV | Not Relevant |
| RoHS Phthalates | Not Contained |

Search Parts in this Series

[55909](#) Series

Mates With

[SlimStack™ Board-to-Board Receptacle 51338](#) , [500913](#)

This document was generated on 06/14/2017

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION