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**Part Number:** [55909-0574](#)  
**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, 50 Circuits

**Documents:**

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

**General**

Product Family	PCB Headers
Series	55909
Application	Board-to-Board, Signal
Comments	Solder Tab Plating: Tin
Overview	<a href="#">SlimStack™ 0.40mm Pitch Board-to-Board Connectors</a>
Product Name	SlimStack™
UPC	822348176090

**Physical**

Breakaway	No
Circuits (Loaded)	50
Circuits (maximum)	50
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, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Net Weight	50.700/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

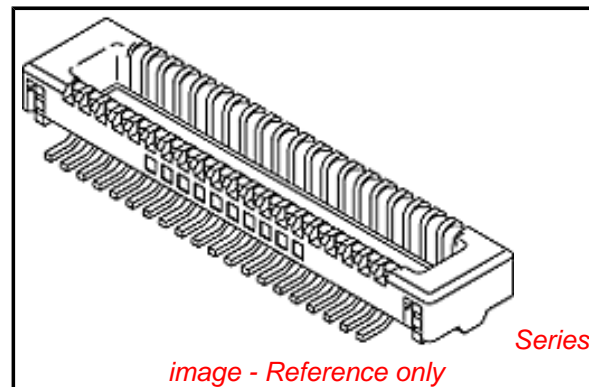
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	SPK-55909-001
Product Specification	PS-51338-002, RPS-500913-003, RPS-500913-005, RPS-51338-007, RPS-51338-008, RPS-51338-011, RPS-51338-012, RPS-51338-013, RPS-51338-018, RPS-51338-019, RPS-51338-020, RPS-51338-022,



**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**

55909Series

**Mates With**

Board-to-Board SlimStack™ Receptacle  
 51338 , 500913

Sales Drawing

RPS-51338-025, RPS-51338-027, RPS-51338-030,  
RPS-51338-031, RPS-51338-040, RPS-55909-001  
RSD-55909-078, SD-55909-003, SD-55909-004

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