

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0533091670](#)  
**Status:** **Active**  
**Overview:** [SlimStack Board-to-Board/Board-to-FPC Connectors](#)  
**Description:** SlimStack Board-to-Board Connector, 0.80mm Pitch, Plug, 5.65 or 6.65mm Mated Height, 16 Circuits, Right-Angle, without Boss

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification SPK-53309-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Product Guide (PDF)</a>
<a href="#">Product Specification PS-52465-014-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-52588-031-001 (PDF)</a>	<a href="#">Reference Guide (PDF)</a>

**General**

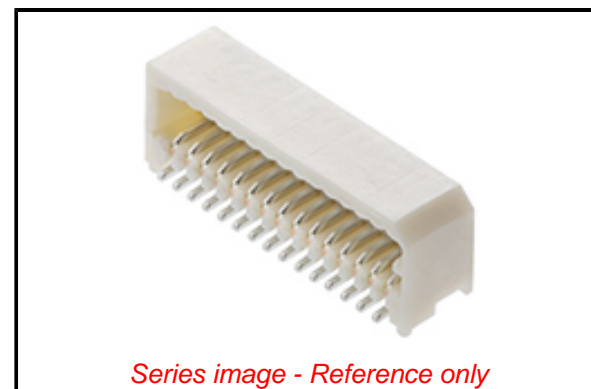
Product Family	PCB Headers
Series	<a href="#">53309</a>
Application	Board-to-Board, Signal
Overview	<a href="#">SlimStack Board-to-Board/Board-to-FPC Connectors</a>
Product Name	SlimStack
Series Name	0.8 and above
Taxonomy	Board-to-Board Connectors
UPC	822348124268

**Physical**

Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Mated Height	5.65mm, 6.65mm
Mated Width	4.70mm, 7.20mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	294.824/mg
Number of Rows	2
Orientation	Right Angle
PC Tail Length	0.40mm, 0.50mm
PCB Locator	No
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	0.80mm
Plating min - Mating	1.016µm
Plating min - Termination	1.016µm
Polarized to PCB	No
Shrouded	Fully
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Surface Mount

**Electrical**

Current - Maximum per Contact	0.5A
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*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Not 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**

[53309](#) Series

**Mates With**

[52465](#) , [52588](#) Board-to-Board Receptacle

Voltage - Maximum

50V

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification

SPK-53309-001-001

Product Specification

PS-52465-014-001, PS-52588-031-001

Sales Drawing

533090000-000, 533091000-000

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