

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0533094071](#)
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, 40 Circuits, Right-Angle, with Boss

Documents:

3D Model	Packaging Specification SPK-53309-001-001 (PDF)
3D Model (PDF)	Datasheet (PDF)
Drawing (PDF)	Product Guide (PDF)
Product Specification PS-52465-014-001 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-52588-031-001 (PDF)	Reference Guide (PDF)

General

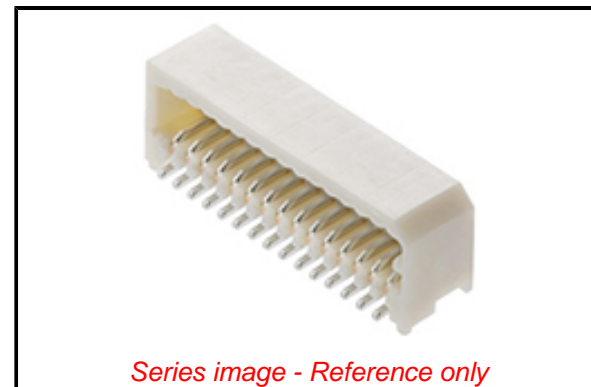
Product Family	PCB Headers
Series	53309
Application	Board-to-Board, Signal
Overview	SlimStack Board-to-Board/Board-to-FPC Connectors
Product Name	SlimStack
Series Name	0.8 and above
Taxonomy	Board-to-Board Connectors
UPC	822348191093

Physical

Breakaway	No
Circuits (Loaded)	40
Circuits (maximum)	40
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
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	751.900/mg
Number of Rows	2
Orientation	Right Angle
PC Tail Length	0.40mm
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
-------------------------------	------



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

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

Voltage - Maximum

50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification

SPK-53309-001-001

Product Specification

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

Sales Drawing

533090000-001, 533091000-001

This document was generated on 08/31/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION