



**Part Number :** [559090674](#)  
**Product Description :** SlimStack Board-to-Board Plug, 0.40mm Pitch, J-Bend Series, 0.20µm Gold (Au) Plating, 1.50 or 1.80mm Mated Height, 3.40 or 4.20mm Mated Width, 60 Circuits  
**Series Number :** 55909  
**Status :** Active  
**Product Category :** Board-to-Board Connectors



## Documents & Resources

### Drawings

[559090674 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[559090674.dxf](#)

### Specifications


[SPK-55909-001-001.pdf](#)

[PS-500913-001-001.pdf](#)

[PS-51338-002-001.pdf](#)

## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 34; 33; 44
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)

EU RoHS	Compliant per EU 2015/863
---------	---------------------------

#### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

#### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

## Part Details

### General

Status	Active
Category	Board-to-Board Connectors
Series	0.4, J-Bend
Description	SlimStack Board-to-Board Plug, 0.40mm Pitch, J-Bend Series, 0.20µm Gold (Au) Plating, 1.50 or 1.80mm Mated Height, 3.40 or 4.20mm Mated Width, 60 Circuits
Application	Board-to-Board, Signal
Comments	Solder Tab Plating: Tin
Component Type	PCB Header
Product Name	SlimStack
UPC	822348176106

### Electrical

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

### Physical

Breakaway	No
Circuits (Loaded)	60
Circuits (maximum)	60
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Capable	No
Lock to Mating Part	Yes
Mated Height	1.50mm, 1.80mm
Mated Width	3.40mm, 4.20mm
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Net Weight	53.600/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	Yes
Pitch - Mating Interface	0.40mm
Pitch - Termination Interface	0.40mm
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Surface Mount

---

## Mates With / Use With

### Mates with Part(s)

Description	Part Number
0.40mm Pitch SlimStack Board-to-Board Receptacles	<u>500913</u>
0.40mm Pitch Vertical SlimStack Receptacles	<u>51338</u>