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**Part Number:** [0559090840](#)  
**Status:** **Active**  
**Overview:** SlimStack Board-to-Board/Board-to-FPC Connectors  
**Description:** SlimStack Board-to-Board Plug, 0.40mm Pitch, J-Bend Series, 0.38µm Gold (Au) Plating, 1.50 or 1.80mm Mated Height, 3.40 or 4.20mm Mated Width, 80 Circuits

**Documents:**

|  |   |
|--|---|
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Packaging Specification 559099200-SPK-200 (PDF)</a> |
| <a href="#">2D Drawing DXF (PDF)</a>                         | <a href="#">Datasheet (PDF)</a>                                 |
| <a href="#">3D Model</a>                                     | <a href="#">Product Guide (PDF)</a>                             |
| <a href="#">2D Drawing (DXF)</a>                             | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Reference Guide (PDF)</a>                           |
| <a href="#">Product Specification PS-51338-006-001 (PDF)</a> |   |

**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers  |
| Series         | 55909  |
| Application    | Board-to-Board, Signal   |
| Overview       | <a href="#">SlimStack Board-to-Board/Board-to-FPC Connectors</a> |
| Product Name   | SlimStack  |
| Series Name    | 0.4, J-Bend  |
| UPC            | 889056155168   |

**Physical**

|                                |                       |
|--------------------------------|-----------------------|
| Breakaway                      | No                    |
| Circuits (Loaded)              | 80                    |
| Circuits (maximum)             | 80                    |
| 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                     | 68.580/mg             |
| Number of Rows                 | 2                     |
| Orientation                    | Vertical              |
| PCB Locator                    | No                    |
| PCB Retention                  | Yes                   |
| Packaging Type                 | Embossed Tape on Reel |
| Pitch - Mating Interface       | 0.40mm                |
| Pitch - Termination Interface  | 0.40mm                |
| Plating min - Mating           | 0.381µm               |
| Temperature Range - Operating  | -25° to +85°C         |
| Termination Interface: Style   | Surface Mount         |

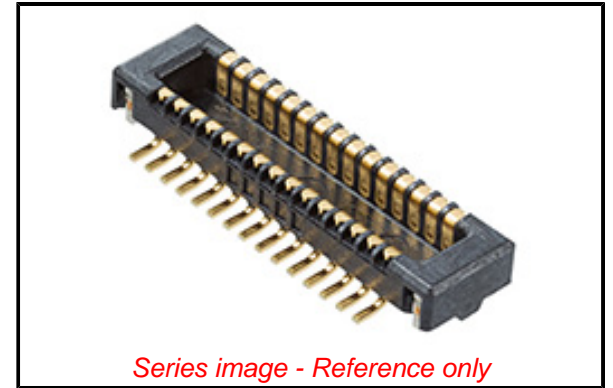
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

|                         |                   |
|-------------------------|-------------------|
| Packaging Specification | 559099200-SPK-200 |
| Product Specification   | PS-51338-006-001  |



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**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**

[55909 Series](#)

**Mates With**

SlimStack J-Bend Receptacle [51338](#)

Sales Drawing

SD-55909-007-001, SD-55909-007-002,  
SD-55909-008-001, SD-55909-008-002,  
SD-55909-008-003

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