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**Part Number:** [0537480308](#)  
**Status:** **Active**  
**Overview:** SlimStack™ 0.50mm Pitch Board-to-Board Connectors  
**Description:** 0.50mm Pitch SlimStack™ Plug, Surface Mount, Dual Row, Vertical, 3.00mm Stack Height, 30 Circuits, without Vacuum Pick-up Tape

**Documents:**

[3D Model](#) [Packaging Specification SPK-53748-001-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-52991-003-001 \(PDF\)](#)

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers   |
| Series         | 53748   |
| Application    | Board-to-Board, Signal  |
| Overview       | <a href="#">SlimStack™ 0.50mm Pitch Board-to-Board Connectors</a> |
| Product Name   | SlimStack™  |
| UPC            | 800754359559  |

**Physical**

|                                |                       |
|--------------------------------|-----------------------|
| Breakaway                      | No                    |
| Circuits (Loaded)              | 30                    |
| Circuits (maximum)             | 30                    |
| First Mate / Last Break        | No                    |
| Glow-Wire Compliant            | No                    |
| Guide to Mating Part           | No                    |
| Keying to Mating Part          | None                  |
| Lock to Mating Part            | None                  |
| Mated Height                   | 3.00mm                |
| Material - Metal               | Brass                 |
| Material - Plating Mating      | Gold                  |
| Material - Plating Termination | Gold                  |
| Net Weight                     | 176.400/mg            |
| Number of Rows                 | 2                     |
| Orientation                    | Vertical              |
| PCB Locator                    | No                    |
| PCB Retention                  | None                  |
| Packaging Type                 | Embossed Tape on Reel |
| Pitch - Mating Interface       | 0.50mm                |
| Plating min - Mating           | 0.102µm               |
| Polarized to PCB               | No                    |
| Shrouded                       | Fully                 |
| Stackable                      | No                    |
| Temperature Range - Operating  | -40°C to +105°C       |
| Termination Interface: Style   | Surface Mount         |

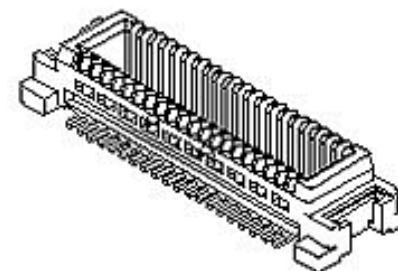
**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 0.5A |
| Voltage - Maximum             | 50V  |

**Material Info**

**Reference - Drawing Numbers**

|                         |                            |
|-------------------------|----------------------------|
| Packaging Specification | SPK-53748-001-001          |
| Product Specification   | PS-52991-003-001           |
| Sales Drawing           | SD-53748-002, SD-53748-005 |



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2017 (12  
January 2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[53748](#) Series

**Mates With**

SlimStack™ Receptacle [52991](#) , [54167](#)

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