

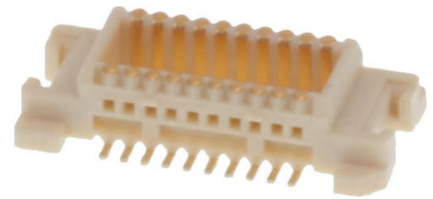
Part Number : [537480208](#)

Product Description : 0.50mm Pitch SlimStack Plug, Surface Mount, Dual Row, Vertical, 3.00mm Stack Height, 20 Circuits, without Vacuum Pick-up Tape

Series Number : 53748

Status : Active

Product Category : Board-to-Board Connectors



Documents & Resources

Drawings

[537480208_sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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


Specifications

[SPK-53748-001-001.pdf](#)

[PS-52991-003-001.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|--|
| GADSL/IMDS | Not Relevant |
| 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 | 0.5, BB H3/4 |
| Description | 0.50mm Pitch SlimStack Plug, Surface Mount, Dual Row, Vertical, 3.00mm Stack Height, 20 Circuits, without Vacuum Pick-up Tape |
| Application | Board-to-Board, Signal |
| Component Type | PCB Header, Plug |
| Product Name | SlimStack |
| UPC | 800753749832 |

Electrical

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

Physical

| | |
|-------------------------|----|
| Breakaway | No |
| Circuits (Loaded) | 20 |
| Circuits (maximum) | 20 |
| First Mate / Last Break | No |
| Glow-Wire Capable | No |

| | |
|--------------------------------|-----------------------|
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | None |
| Mated Height | 3.00mm |
| Mated Width | 5.40mm |
| Material - Metal | Brass |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Gold |
| Net Weight | 68.362/mg |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Embossed Tape on Reel |
| PCB Locator | No |
| PCB Retention | None |
| Pitch - Mating Interface | 0.50mm |
| Plating min - Mating | 0.100µm |
| Polarized to PCB | No |
| Shrouded | Fully |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Surface Mount |



Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|---|--------------|
| 0.50mm Pitch Vertical SlimStack Receptacles | <u>52991</u> |
| 0.50mm Pitch Vertical SlimStack Receptacles | <u>54167</u> |

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View 53748-0208 on WIN SOURCE](#)
-  [Molex, LLC Information](#)

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