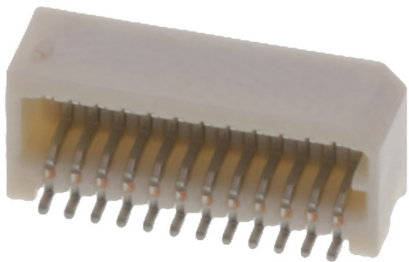




Part Number : [533092470](#)
Product Description : SlimStack Board-to-Board Connector, 0.80mm Pitch, Plug, 5.65mm Mated Height, 24 Circuits, Right-Angle, without Boss
Series Number : 53309
Status : Active
Product Category : Board-to-Board Connectors



Documents & Resources


Drawings
[533092470_sd.pdf](#)

3D Models and Design Files
[533092470_stp.zip](#)

Specifications
[SPK-53309-001-001.pdf](#)
[PS-52465-014-001.pdf](#)
[PS-52588-031-001.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Compliant with Exemption 44; 33 |
| China RoHS |  |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2024)7663-DC (21 Jan 2025) |
| EU RoHS | Compliant per EU 2015/863 |

Multiple Part Product Compliance Statements
- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

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

EU RoHS Certificate of Compliance

Part Details

General

| | |
|----------------|---|
| Status | Active |
| Category | Board-to-Board Connectors |
| Series | 53309 |
| Description | SlimStack Board-to-Board Connector, 0.80mm Pitch, Plug, 5.65mm Mated Height, 24 Circuits, Right-Angle, without Boss |
| Series Name | 0.8 and above |
| Application | Board-to-Board, Signal |
| Component Type | PCB Header |
| Product Name | SlimStack |
| UPC | 822348124299 |

Electrical

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

Physical

| | |
|--------------------------------|---------|
| Breakaway | No |
| Circuits (Loaded) | 24 |
| Circuits (maximum) | 24 |
| 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 | Yes |

| | |
|--------------------------------|--------------------------------|
| Lock to Mating Part | None |
| Mated Height | 5.65mm |
| Mated Width | 4.70mm |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 421.736/mg |
| Number of Rows | 2 |
| Orientation | Right Angle |
| Packaging Type | Embossed Tape on Reel |
| PCB Locator | No |
| PCB Retention | None |
| 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 |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|---|--------------|
| 0.80mm Pitch Vertical SlimStack Receptacles | <u>52465</u> |