



Part Number : [555600168](#)

Product Description : 0.50mm Pitch SlimStack Plug, Surface Mount, Dual Row, Vertical, 1.50mm Stack Height, 16 Circuits

Series Number : 55560

Status : Active

Product Category : Board-to-Board Connectors

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## Documents & Resources

### Drawings

[Drawing 555600168\\_sd.pdf](#)

[Packaging Design Drawing SPK-55560-002-001.pdf](#)

### 3D Models and Design Files

[2D Drawing DXF 555600168.dxf](#)

[2D Drawing DXF \(PDF\) 555600168.pdf](#)

[3D Model 555600168\\_stp.zip](#)

### Specifications


[Application Specification 547220000-A00.pdf](#)

[Product Specification PS-54722-010-001.pdf](#)

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## Product Environment Compliance

### Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Not Relevant  |
| China RoHS         |  |
| EU ELV             | Not Relevant  |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21  |
| REACH SVHC         | Not Contained per D(2023)8585-DC (23 Jan 2024)  |
| 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

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## Part Details

### General

|                |  |
|----------------|--|
| Status         | Active   |
| Category       | Board-to-Board Connectors  |
| Series         | 55560  |
| Description    | 0.50mm Pitch SlimStack Plug, Surface Mount, Dual Row, Vertical, 1.50mm Stack Height, 16 Circuits |
| Series Name    | 0.5, BB H1.5   |
| Application    | Board-to-Board, Signal   |
| Component Type | PCB Header   |
| Product Family | SlimStack Board-to-Board/Board-to-FPC Connectors   |
| Product Name   | SlimStack  |
| UPC            | 800755985405   |

### Agency

|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

### Electrical

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

### Physical

|                         |    |
|-------------------------|----|
| Breakaway               | No |
| Circuits (Loaded)       | 16 |
| Circuits (maximum)      | 16 |
| First Mate / Last Break | No |
| Glow-Wire Capable       | No |
| Guide to Mating Part    | No |

|                                |                       |
|--------------------------------|-----------------------|
| Keying to Mating Part          | None                  |
| Lock to Mating Part            | Yes                   |
| Mated Height                   | 1.50mm                |
| Mated Width                    | 6.00mm                |
| Material - Metal               | Brass                 |
| Material - Plating Mating      | Gold                  |
| Material - Plating Termination | Gold                  |
| Net Weight                     | 24.344/mg             |
| Number of Rows                 | 2                     |
| Orientation                    | Vertical              |
| Packaging Type                 | Embossed Tape on Reel |
| PC Tail Length                 | 0.74mm                |
| PCB Locator                    | No                    |
| PCB Retention                  | None                  |
| Pitch - Mating Interface       | 0.50mm                |
| Plating min - Mating           | 0.254µm               |
| Plating min - Termination      | 0.102µm               |
| Shrouded                       | Fully                 |
| Temperature Range - Operating  | -40° to +105°C        |
| Termination Interface Style    | Surface Mount         |

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## Mates With / Use With

### Mates with Part(s)

| Description                                 | Part Number  |
|---|--------------|
| 0.50mm Pitch Vertical SlimStack Receptacles | <u>54722</u> |