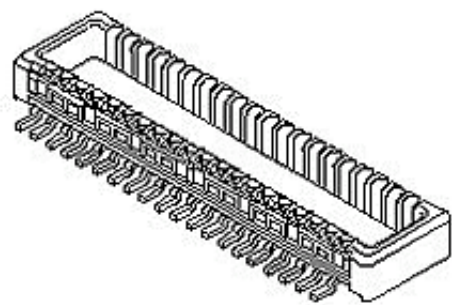




**Part Number :** [555600307](#)  
**Product Description :** 0.50mm Pitch SlimStack Plug, Surface Mount, Dual Row, Vertical, 1.50mm Stack Height, 30 Circuits  
**Series Number :** 55560  
**Status :** Active  
**Product Category :** Board-to-Board Connectors



## Documents & Resources

### Drawings

[Drawing 555600307\\_sd.pdf](#)

### 3D Models and Design Files


- [2D Drawing DXF 555600307.dxf](#)
- [2D Drawing DXF \(PDF\) 555600307.pdf](#)
- [3D Model 555600307\\_stp.zip](#)

### Specifications

- [Application Specification 547220000-A00.pdf](#)
- [Packaging Specification SPK-55560-001-001.pdf](#)
- [Product Specification PS-54722-010-001.pdf](#)

## 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)3788-DC (14 Jun 2023)  |
| 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, 30 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            | 800755973396   |

#### Agency

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

#### Electrical

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

#### Physical

|                         |       |
|-------------------------|-------|
| Breakaway               | No    |
| Circuits (Loaded)       | 30    |
| Circuits (maximum)      | 30    |
| Color - Resin           | Black |
| 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                           |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 41.270/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                         |
| 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> |