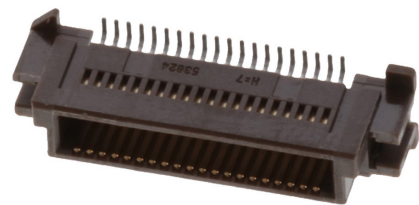




**Part Number :** [536250474](#)  
**Product Description :** SlimStack Board-to-Board Connector, 0.635mm Pitch, 0.635 Series, Plug, 7.00 or 13.00mm Mated Height, 6.40mm Mated Width, 40 Circuits  
**Series Number :** 53625  
**Status :** Active  
**Product Category :** Board-to-Board Connectors



Documents & Resources


**Drawings**  
[536250474\\_sd.pdf](#)

**3D Models and Design Files**  
[536250474\\_stp.zip](#)

**Specifications**  
[SPK-53625-001-001.pdf](#)  
[527600000-000.pdf](#)

Product Environment Compliance

Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Not Relevant  |
| 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         | 53625  |
| Description    | SlimStack Board-to-Board Connector, 0.635mm Pitch, 0.635 Series, Plug, 7.00 or 13.00mm Mated Height, 6.40mm Mated Width, 40 Circuits |
| Series Name    | 0.635, Floating, Rigid   |
| Application    | Board-to-Board, Signal   |
| Comments       | Stacking-Type  |
| Component Type | PCB Header   |
| Product Name   | SlimStack  |
| UPC            | 822348165735   |

#### Agency

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

#### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 0.5A |
| Voltage - Maximum             | 100V |

#### Physical

|                                |       |
|--------------------------------|-------|
| Breakaway                      | No    |
| Circuits (Loaded)              | 40    |
| Circuits (maximum)             | 40    |
| Color - Resin                  | Brown |
| Durability (mating cycles max) | 50    |

|                                |                                |
|--------------------------------|--------------------------------|
| 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                   | 13.00mm, 7.00mm                |
| Mated Width                    | 6.40mm                         |
| Material - Metal               | Copper Alloy                   |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 548.000/mg                     |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| Packaging Type                 | Embossed Tape on Reel          |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.00mm min                     |
| Pitch - Mating Interface       | 0.635mm                        |
| Plating min - Mating           | 0.254µm                        |
| Plating min - Termination      | 1.016µm                        |
| Polarized to PCB               | Yes                            |
| Robotic Placement              | Metal Cap                      |
| Shrouded                       | Fully                          |
| Temperature Range - Operating  | -55° to +105°C                 |
| Termination Interface Style    | Surface Mount                  |

---

## Mates With / Use With

### Mates with Part(s)

| Description                                  | Part Number  |
|--|--------------|
| 0.635mm Pitch Vertical SlimStack Receptacles | <u>52885</u> |
| 0.635mm Pitch Vertical SlimStack Receptacles | <u>52901</u> |

---

---

This document was generated on Apr 25, 2025