molex



**Part Number :** 528851074
**Product Description :** SlimStack Board-to-Board Connector, 0.635mm Pitch, 0.635 Series, Receptacle, 6.00 to 10.00mm Mated Height, 6.40mm Mated Width, with Vacuum Pick-Up Area, 100 Circuits
**Series Number :** 52885
**Status :** Active
**Product Category :** Board-to-Board Connectors

## Documents & Resources

### Drawings

528851074_sd.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

### Specifications

SPK-52885-001-001.pdf

527600000-000.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 33 |
| 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

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | Board-to-Board Connectors |
| Series | 0.635, Rigid |
| Description | SlimStack Board-to-Board Connector, 0.635mm Pitch, 0.635 Series, Receptacle, 6.00 to 10.00mm Mated Height, 6.40mm Mated Width, with Vacuum Pick-Up Area, 100 Circuits |
| Application | Board-to-Board, Signal |
| Comments | Stacking-Type |
| Component Type | PCB Receptacle |
| Product Name | SlimStack |
| UPC | 822348166060 |

### Agency

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

### Electrical

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

### Physical

| | |
|---|---|
| Circuits (Loaded) | 100 |
| Circuits (maximum) | 100 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 50 |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Lock to Mating Part | None |
| Mated Height | 10.00mm, 6.00mm, 7.00mm, 8.00mm, 9.00mm |
| Mated Width | 6.40mm |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 1149.696/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 | 2.032µm |
| Polarized to PCB | No |
| Robotic Placement | Pick and Place Cap |
| Temperature Range - Operating | -55° to +105°C |
| Termination Interface Style | Surface Mount |

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## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| 0.635mm Pitch Vertical SlimStack | 53625 |

| Plugs | |
|---|---|
| 0.635mm Pitch Vertical SlimStack Plugs | 53627 |
| 0.635mm Pitch Vertical SlimStack Plugs | 53647 |
| 0.635mm Pitch Vertical SlimStack Plugs | 53649 |
| 0.635mm Vertical SlimStack Plugs | 55091 |