**Part Number :** 536251474
**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, 140 Circuits
**Series Number :** 53625
**Status :** Active
**Product Category :** Board-to-Board Connectors



## Documents and Resources

### Drawings

536251474_sd.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

### Specifications

SPK-53625-001-001.pdf

527600000-000.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| 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)6375-DC (05 Nov 2025) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

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- 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, Plug, 7.00 or 13.00mm Mated Height, 6.40mm Mated Width, 140 Circuits |
| Application | Board-to-Board, Signal |
| Comments | Stacking-Type |
| Component Type | PCB Header, Plug |
| Product Name | SlimStack |
| UPC | 822348165827 |

### Agency

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

### Electrical

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

### Physical

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| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 140 |
| Circuits (maximum) | 140 |
| 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 | None |
| 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 | 1344.701/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)

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| Description | Part Number |
| --- | --- |
| 0.635mm Pitch Vertical SlimStack Receptacles | 52885 |
| 0.635mm Pitch Vertical SlimStack Receptacles | 52901 |



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