



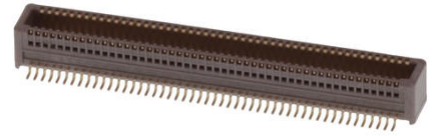
**Part Number :** [5010171008](#)

**Product Description :** SlimStack Board-to-Board Plug, 0.40mm Pitch, Surface Mount, Dual Row, Vertical, 4.00mm Stacking Height, 100 Circuits

**Series Number :** 501017

**Status :** Active

**Product Category :** Board-to-Board Connectors



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## Documents and Resources

### Drawings

[5010171008\\_sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

### Specifications


[SPK-501017-001-001.pdf](#)

[PS-54684-008-001.pdf](#)

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## 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)7771-DC (04 Feb 2026)  |
| 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

## Part Details

### General

|                |  |
|----------------|--|
| Status         | Active   |
| Category       | Board-to-Board Connectors  |
| Series         | 0.4, BB H4   |
| Description    | SlimStack Board-to-Board Plug, 0.40mm Pitch, Surface Mount, Dual Row, Vertical, 4.00mm Stacking Height, 100 Circuits |
| Application    | Board-to-Board, Signal   |
| Component Type | Plug   |
| Product Name   | SlimStack  |
| UPC            | 822348414185   |

### Electrical

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 0.3A            |
| Voltage - Maximum             | 30V AC (RMS)/DC |

### Physical

|                                |       |
|--------------------------------|-------|
| Breakaway                      | No    |
| Circuits (Loaded)              | 100   |
| Circuits (maximum)             | 100   |
| Color - Resin                  | Brown |
| Durability (mating cycles max) | 30    |

|                                |                       |
|--------------------------------|-----------------------|
| Glow-Wire Capable              | No                    |
| Lock to Mating Part            | No                    |
| Mated Height                   | 4.00mm                |
| Mated Width                    | 5.10mm                |
| Material - Metal               | Phosphor Bronze       |
| Material - Plating Mating      | Gold                  |
| Material - Plating Termination | Gold                  |
| Number of Rows                 | 2                     |
| Orientation                    | Vertical              |
| Packaging Type                 | Embossed Tape on Reel |
| PCB Locator                    | No                    |
| PCB Retention                  | No                    |
| Pitch - Mating Interface       | 0.40mm                |
| Pitch - Termination Interface  | 0.40mm                |
| Polarized to Mating Part       | No                    |
| Polarized to PCB               | No                    |
| Temperature Range - Operating  | -25° to +105°C        |
| Termination Interface Style    | Surface Mount         |

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## Mates With / Use With

### Mates with Part(s)

| Description                                 | Part Number  |
|---|--------------|
| 0.40mm Pitch Vertical SlimStack Receptacles | <u>54684</u> |

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This document was generated on May 22, 2026