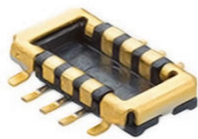




**Part Number :** [5050701022](#)  
**Product Description :** SlimStack Board-to-Board Plug, 0.35mm Pitch, SSB RP Series, 0.60 or 0.70mm Mated Height, 2.00mm Mated Width, 10 Circuits, Armor Nail, 0.15mm Fitting Nail Width  
**Series Number :** 505070  
**Status :** Active  
**Product Category :** Board-to-Board Connectors



## Documents & Resources

### Drawings

[5050701022 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

[5050701022.dxf](#)

### Specifications

[5050660000-A06.pdf](#)

[5050709200-203.pdf](#)

[5050660000-014.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                                 |
| China RoHS         | <br>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<br>(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         | 0.35, SSB RP                                                                                                                                                    |
| Description    | SlimStack Board-to-Board Plug, 0.35mm Pitch, SSB RP Series, 0.60 or 0.70mm Mated Height, 2.00mm Mated Width, 10 Circuits, Armor Nail, 0.15mm Fitting Nail Width |
| Application    | Board-to-Board                                                                                                                                                  |
| Component Type | PCB Header                                                                                                                                                      |
| Product Name   | SlimStack                                                                                                                                                       |
| UPC            | 191128261517                                                                                                                                                    |

### Electrical

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 0.3A, 3.0A      |
| Voltage - Maximum             | 50V AC (RMS)/DC |

### Physical

|                   |    |
|-------------------|----|
| Breakaway         | No |
| Circuits (Loaded) | 10 |

|                                |                        |
|--------------------------------|------------------------|
| Circuits (maximum)             | 10                     |
| Color - Resin                  | Black                  |
| Durability (mating cycles max) | 30                     |
| Glow-Wire Capable              | No                     |
| Mated Height                   | 0.60mm, 0.70mm         |
| Mated Width                    | 2.00mm                 |
| Material - Metal               | Copper Alloy           |
| Material - Plating Mating      | Gold                   |
| Material - Plating Termination | Gold                   |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 3.625/mg               |
| Number of Rows                 | 2                      |
| Orientation                    | Vertical               |
| Packaging Type                 | Embossed Tape on Reel  |
| PCB Locator                    | No                     |
| PCB Retention                  | Yes                    |
| Pitch - Mating Interface       | 0.35mm                 |
| Pitch - Termination Interface  | 0.35mm                 |
| Plating min - Mating           | 0.100µm                |
| Plating min - Termination      | 0.050µm                |
| Polarized to Mating Part       | No                     |
| Polarized to PCB               | No                     |
| Temperature Range - Operating  | -40° to +85°C          |
| Termination Interface Style    | Surface Mount          |

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## Mates With / Use With

### Mates with Part(s)

| Description                                       | Part Number                   |
|---------------------------------------------------|-------------------------------|
| 0.35mm Pitch SlimStack Board-to-Board Receptacles | <a href="#"><u>505066</u></a> |
| 0.35mm Pitch SlimStack Board-to-Board Receptacles | <a href="#"><u>505270</u></a> |