



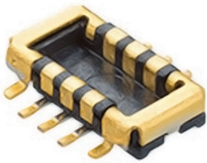
Part Number : [5050701242](#)

Product Description : SlimStack Board-to-Board Plug, 0.35mm Pitch, SSB RP Series, 0.60 or 0.70mm Mated Height, 2.00mm Mated Width, 12 Circuits, Armor Nail, 0.25mm Fitting Nail Width

Series Number : 505070

Status : Active

Product Category : Board-to-Board Connectors



## Documents & Resources

### Drawings

[5050701242\\_sd.pdf](#)

### 3D Models and Design Files

[5050701242.dxf](#)

[5050701242.pdf](#)

[5050701242\\_stp.zip](#)

### Specifications

[5050660000-A06.pdf](#)

[5050709200-203.pdf](#)

[5050660000-015.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33                                                       |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2024)6225-DC (07 Nov 2024)                                        |
| 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

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## Part Details

### General

|                |                                                                                                                                                                 |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                          |
| Category       | Board-to-Board Connectors                                                                                                                                       |
| Series         | 505070                                                                                                                                                          |
| Description    | SlimStack Board-to-Board Plug, 0.35mm Pitch, SSB RP Series, 0.60 or 0.70mm Mated Height, 2.00mm Mated Width, 12 Circuits, Armor Nail, 0.25mm Fitting Nail Width |
| Series Name    | 0.35, SSB RP                                                                                                                                                    |
| Application    | Board-to-Board                                                                                                                                                  |
| Component Type | PCB Header                                                                                                                                                      |
| Product Name   | SlimStack                                                                                                                                                       |
| UPC            | 191128261555                                                                                                                                                    |

### Electrical

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

### Physical

|                                |                |
|--------------------------------|----------------|
| Breakaway                      | No             |
| Circuits (Loaded)              | 12             |
| Circuits (maximum)             | 12             |
| 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                     | 4.027/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 | <u>505066</u> |