



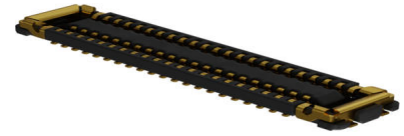
**Part Number :** [5050664222](#)

**Product Description :** SlimStack Board-to-Board Receptacle, 0.35mm Pitch, SSB RP Series, 0.60mm Mated Height, 2.00mm Mated Width, 42 Circuits, Armor Nail

**Series Number :** 505066

**Status :** Active

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



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## Documents and Resources

### Drawings

[5050664222 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

### Specifications

[5050660000-A06.pdf](#)

[5050669200-203.pdf](#)


[5050660000-014.pdf](#)

[5050660000-015.pdf](#)

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## Product Environment Compliance

### Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Compliant with Exemption 33; 44; 34   |
| 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

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## Part Details

### General

|                |  |
|----------------|--|
| Status         | Active   |
| Category       | Board-to-Board Connectors  |
| Series         | 0.35, SSB RP   |
| Description    | SlimStack Board-to-Board Receptacle, 0.35mm Pitch, SSB RP Series, 0.60mm Mated Height, 2.00mm Mated Width, 42 Circuits, Armor Nail |
| Application    | Board-to-Board   |
| Component Type | Receptacle   |
| Product Name   | SlimStack  |
| UPC            | 191128261449   |

### Electrical

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

### Physical

|                   |    |
|-------------------|----|
| Circuits (Loaded) | 42 |
|-------------------|----|

|                                |                              |
|--------------------------------|------------------------------|
| Circuits (maximum)             | 42                           |
| Color - Resin                  | Black                        |
| Durability (mating cycles max) | 30                           |
| Glow-Wire Capable              | No                           |
| Mated Height                   | 0.60mm                       |
| Mated Width                    | 2.00mm                       |
| Material - Metal               | Copper Alloy                 |
| Material - Plating Mating      | Gold                         |
| Material - Plating Termination | Gold                         |
| Material - Resin               | Liquid Crystal Polymer (LCP) |
| Net Weight                     | 17.005/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 Plugs | <u>505070</u> |

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