



**Part Number :** [5050661022](#)  
**Product Description :** SlimStack Board-to-Board Receptacle, 0.35mm Pitch, SSB RP Series, 0.60mm Mated Height, 2.00mm Mated Width, 10 Circuits, Armor Nail  
**Series Number :** 505066  
**Status :** Active  
**Product Category :** Board-to-Board Connectors



## Documents & Resources

**Drawings**  
[5050661022\\_sd.pdf](#)

**3D Models and Design Files**  
[5050661022\\_stp.zip](#)

**Specifications**  
[5050660000-A06.pdf](#)  
[5050669200-203.pdf](#)  
[5050660000-014.pdf](#)  
[5050660000-015.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2024)7663-DC (21 Jan 2025)                                        |
| 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         | 505066                                                                                                                             |
| Description    | SlimStack Board-to-Board Receptacle, 0.35mm Pitch, SSB RP Series, 0.60mm Mated Height, 2.00mm Mated Width, 10 Circuits, Armor Nail |
| Series Name    | 0.35, SSB RP                                                                                                                       |
| Application    | Board-to-Board                                                                                                                     |
| Component Type | PCB Receptacle                                                                                                                     |
| Product Name   | SlimStack                                                                                                                          |
| UPC            | 191128261142                                                                                                                       |

#### Electrical

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

#### Physical

|                                |              |
|--------------------------------|--------------|
| Circuits (Loaded)              | 10           |
| Circuits (maximum)             | 10           |
| 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 |
| Net Weight                     | 7.629/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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