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**Part Number:** [5054170610](#)  
**Status:** **Active**  
**Overview:** SlimStack Board-to-Board Connectors  
**Description:** SlimStack Board-to-Board Plug, 0.35mm Pitch, SSB RP Series, 1.00mm Mated Height, 2.00mm Mated Width, 6 Circuits, Armor Nail

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                   | <a href="#">Packaging Specification 5054179200-200 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                             | <a href="#">Datasheet (PDF)</a>                              |
| <a href="#">Drawing (PDF)</a>                              | <a href="#">Product Guide (PDF)</a>                          |
| <a href="#">Product Specification 5054130000-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |
| <a href="#">Product Specification 5054130000-A00 (PDF)</a> | <a href="#">Reference Guide (PDF)</a>                        |

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers   |
| Series         | <a href="#">505417</a>                              |
| Application    | Board-to-Board, Signal                              |
| Overview       | <a href="#">SlimStack Board-to-Board Connectors</a> |
| Product Name   | SlimStack   |
| Series Name    | SSB RP  |
| UPC            | 191128256544  |

**Physical**

|                                |                        |
|--------------------------------|------------------------|
| Breakaway                      | No                     |
| Circuits (Loaded)              | 6                      |
| Circuits (maximum)             | 6                      |
| Color - Resin                  | Black                  |
| Durability (mating cycles max) | 30                     |
| Glow-Wire Capable              | No                     |
| Mated Height                   | 1.00mm                 |
| Mated Width                    | 2.00mm                 |
| Material - Metal               | Copper Alloy           |
| Material - Plating Mating      | Gold                   |
| Material - Plating Termination | Gold                   |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 4.600/mg               |
| Number of Rows                 | 2                      |
| Orientation                    | Vertical               |
| PCB Locator                    | No                     |
| PCB Retention                  | Yes                    |
| Packaging Type                 | Embossed Tape on Reel  |
| Pitch - Mating Interface       | 0.35mm                 |
| Pitch - Termination Interface  | 0.35mm                 |
| Plating min - Mating           | 0.102µm                |
| Plating min - Termination      | 0.051µm                |
| Polarized to Mating Part       | No                     |
| Polarized to PCB               | No                     |
| Temperature Range - Operating  | -40° to +85°C          |
| Termination Interface: Style   | Surface Mount          |

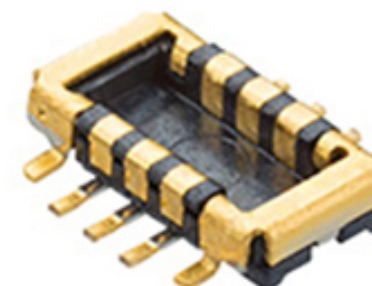
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

|                         |                |
|-------------------------|----------------|
| Packaging Specification | 5054179200-200 |
|-------------------------|----------------|



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[505417 Series](#)

**Mates With**

SlimStack SSB RP Receptacle [505413](#)

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