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**Part Number:** **0525881875**  
**Status:** **Active**  
**Overview:** SlimStack™ 0.35mm pitch Board-to-Board Connectors  
**Description:** SlimStack Board-to-Board Connector, 0.80mm Pitch, Floating Series, Floating Type Receptacle, 5.50 to 8.00mm Mated Height, 18 Circuits, Without Boss

**Documents:**

|  |   |
|--|---|
| <a href="#">3D Model</a>                                     | <a href="#">Packaging Specification SPK-52588-001-001 (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 PS-52588-031-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |
| <a href="#">Product Specification PS-52588-032-001 (PDF)</a> | <a href="#">Reference Guide (PDF)</a>                           |

**General**

|                |   |
|----------------|---|
| Product Family | PCB Receptacles                                   |
| Series         | 52588   |
| Application    | Board-to-Board, Signal                            |
| Overview       | SlimStack™ 0.35mm pitch Board-to-Board Connectors |
| Product Name   | SlimStack   |
| Series Name    | 0.80 Floating                                     |
| UPC            | 822348144020                                      |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 18                             |
| Circuits (maximum)             | 18                             |
| Color - Resin                  | Natural                        |
| Durability (mating cycles max) | 30                             |
| Glow-Wire Capable              | No                             |
| Lock to Mating Part            | None                           |
| Mated Height                   | 5.50mm, 6.65mm, 7.00mm, 8.00mm |
| Mated Width                    | 7.20mm                         |
| Material - Metal               | Phosphor Bronze                |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 281.000/mg                     |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | No                             |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Embossed Tape on Reel          |
| Pitch - Mating Interface       | 0.80mm                         |
| Plating min - Mating           | 3.048µm                        |
| Plating min - Termination      | 3.048µm                        |
| Polarized to PCB               | No                             |
| Surface Mount Compatible (SMC) | N/A                            |
| Temperature Range - Operating  | -20° to +105°C                 |
| Termination Interface: Style   | Surface Mount                  |

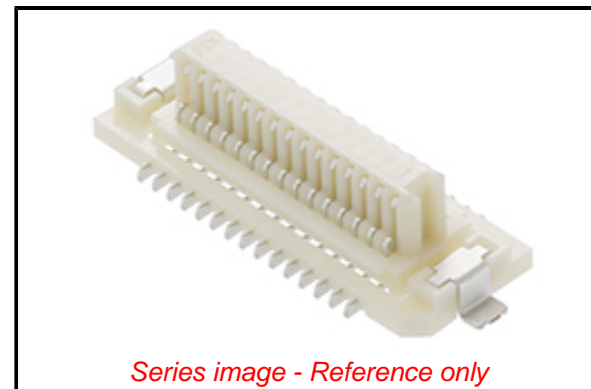
**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 0.5A |
| Voltage - Maximum             | 50V  |

**Material Info**

**Reference - Drawing Numbers**

|                         |                   |
|-------------------------|-------------------|
| Packaging Specification | SPK-52588-001-001 |
|-------------------------|-------------------|



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

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

**Halogen-Free**

**Status**

**Not 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**

52588 Series

**Mates With**

53364 , 53353 , 53307 , 53309

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