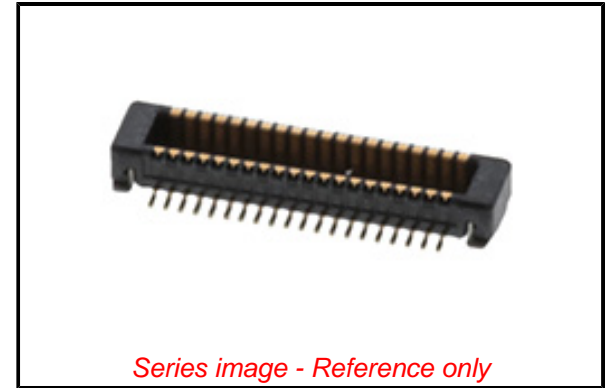


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0556500488](#)  
**Status:** **Active**  
**Overview:** SlimStack Board-to-Board/Board-to-FPC Connectors  
**Description:** 0.50mm Pitch SlimStack Plug, Surface Mount, Dual Row, Vertical, 2.00mm Stack Height, with Solder Tab, 40 Circuits

**Documents:**

|  |   |
|--|---|
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification SPK-55650-001-001 (PDF)</a> |
| <a href="#">3D Model</a>                                     | <a href="#">Packaging Specification SPK-55650-001-002 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |
| <a href="#">Product Specification PS-54363-046-001 (PDF)</a> |   |



**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers  |
| Series         | <a href="#">55650</a>  |
| Application    | Board-to-Board, Signal   |
| Overview       | <a href="#">SlimStack Board-to-Board/Board-to-FPC Connectors</a> |
| Product Name   | SlimStack  |
| Series Name    | 0.5, BB H2   |
| Taxonomy       | Board-to-Board Connectors  |
| UPC            | 822348292707   |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 40                             |
| Circuits (maximum)             | 40                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 30                             |
| First Mate / Last Break        | No                             |
| Glow-Wire Capable              | No                             |
| Guide to Mating Part           | No                             |
| Keying to Mating Part          | None                           |
| Lock to Mating Part            | Yes                            |
| Mated Height                   | 2.00mm                         |
| Mated Width                    | 6.00mm                         |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Gold                           |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 85.200/mg                      |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | No                             |
| PCB Retention                  | Yes                            |
| Packaging Type                 | Embossed Tape on Reel          |
| Pitch - Mating Interface       | 0.50mm                         |
| Pitch - Termination Interface  | 0.50mm                         |
| Plating min - Mating           | 0.254µm                        |
| Plating min - Termination      | 0.102µm                        |
| Polarized to Mating Part       | No                             |
| Polarized to PCB               | No                             |
| Shrouded                       | No                             |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | -40° to +105°C                 |
| Termination Interface: Style   | Surface Mount                  |

**Electrical**

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**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**

[55650](#) Series

**Mates With**

[54363](#) PCB Receptacle

Current - Maximum per Contact  
Voltage - Maximum

0.5A  
50V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification

SPK-55650-001-001, SPK-55650-001-002

Product Specification

PS-54363-046-001

Sales Drawing

SD-55650-013-001, SD-55650-014-001

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