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**Part Number:** [0529910408](#)  
**Status:** **Active**  
**Overview:** SlimStack™ 0.50mm Pitch Board-to-Board Connectors  
**Description:** 0.50mm Pitch SlimStack™ Receptacle, Surface Mount, Dual Row, Vertical, 3.00 and 4.00mm Stacking Heights, Lower Circuit Size Version, White, 40 Circuits

**Documents:**

|                                                              |                                                                 |
|--------------------------------------------------------------|-----------------------------------------------------------------|
| <a href="#">3D Model</a>                                     | <a href="#">Product Specification PS-54167-002-001 (PDF)</a>    |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification SPK-52991-001-001 (PDF)</a> |
| <a href="#">Product Specification PS-52991-003-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |
| <a href="#">Product Specification PS-52991-008-001 (PDF)</a> |                                                                 |

**Agency Certification**

UL E29179

**General**

|                |                                                                   |
|----------------|-------------------------------------------------------------------|
| Product Family | PCB Receptacles                                                   |
| Series         | <a href="#">52991</a>                                             |
| Application    | Board-to-Board, Signal                                            |
| Overview       | <a href="#">SlimStack™ 0.50mm Pitch Board-to-Board Connectors</a> |
| Product Name   | SlimStack™                                                        |
| UPC            | 800754318518                                                      |

**Physical**

|                                |                       |
|--------------------------------|-----------------------|
| Circuits (Loaded)              | 40                    |
| Circuits (maximum)             | 40                    |
| Glow-Wire Compliant            | No                    |
| Mated Height                   | 3.00mm, 4.00mm        |
| Material - Plating Mating      | Gold                  |
| Material - Plating Termination | Gold                  |
| Net Weight                     | 161.101/mg            |
| Number of Rows                 | 2                     |
| Orientation                    | Vertical              |
| PCB Locator                    | No                    |
| PCB Retention                  | None                  |
| PCB Thickness - Recommended    | 1.60mm                |
| Packaging Type                 | Embossed Tape on Reel |
| Pitch - Mating Interface       | 0.50mm                |
| Plating min - Mating           | 0.102µm               |
| Plating min - Termination      | 0.254µm               |
| Polarized to PCB               | No                    |
| Surface Mount Compatible (SMC) | N/A                   |
| Temperature Range - Operating  | -40°C to +105°C       |
| Termination Interface: Style   | Surface Mount         |

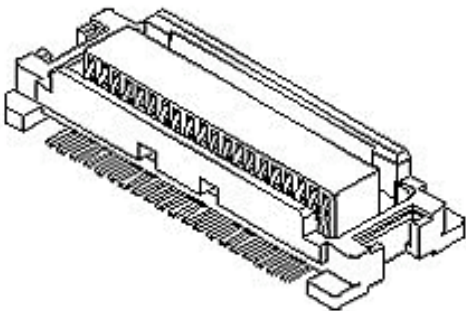
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

|                         |                                                      |
|-------------------------|------------------------------------------------------|
| Packaging Specification | SPK-52991-001-001                                    |
| Product Specification   | PS-52991-003-001, PS-52991-008-001, PS-54167-002-001 |
| Sales Drawing           | SD-52991-004, SD-52991-005                           |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/30/2017 (7 July  
2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[52991](#) Series

**Mates With**

Board-to-Board SlimStack™ Plug [53748](#) ,  
[53916](#) , [501920](#)

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