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**Part Number:** **5033081210**  
**Status:** **Active**  
**Overview:** SlimStack™ 0.40mm Pitch Board-to-Board Connectors  
**Description:** 0.40mm Pitch SlimStack Board-to-Board, Plug, Surface Mount, Dual Row, Vertical Stacking, 0.70mm Stacking Height, 12 Circuits

**Documents:**

|   |   |
|---|---|
| <a href="#">3D Model</a>                                      | <a href="#">Application Specification AS-503304-001-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Packaging Specification SPK-503308-001-001 (PDF)</a>  |
| <a href="#">Product Specification PS-503304-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>              |

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers                                       |
| Series         | 503308  |
| Application    | Board-to-Board, Signal                            |
| Overview       | SlimStack™ 0.40mm Pitch Board-to-Board Connectors |
| Product Name   | SlimStack   |
| UPC            | 883906714086                                      |

**Physical**

|                                |                       |
|--------------------------------|-----------------------|
| Breakaway                      | No                    |
| Circuits (Loaded)              | 12                    |
| Circuits (maximum)             | 12                    |
| Color - Resin                  | Black                 |
| Durability (mating cycles max) | 30                    |
| Glow-Wire Capable              | No                    |
| Mated Height                   | 0.70mm                |
| Material - Metal               | Copper Alloy          |
| Material - Plating Mating      | Gold                  |
| Material - Plating Termination | Gold                  |
| Net Weight                     | 5.918/mg              |
| Number of Rows                 | 2                     |
| Orientation                    | Vertical              |
| PCB Locator                    | No                    |
| PCB Retention                  | Yes                   |
| Packaging Type                 | Embossed Tape on Reel |
| Pitch - Mating Interface       | 0.40mm                |
| Polarized to Mating Part       | No                    |
| Polarized to PCB               | No                    |
| Stackable                      | No                    |
| Temperature Range - Operating  | -40° to +85°C         |
| Termination Interface: Style   | Surface Mount         |

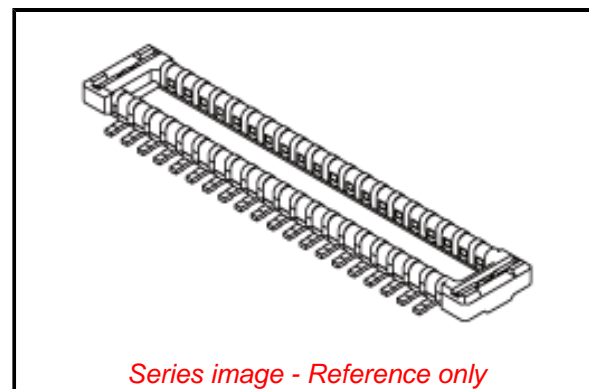
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

|                           |                              |
|---------------------------|------------------------------|
| Application Specification | AS-503304-001-001            |
| Packaging Specification   | SPK-503308-001-001           |
| Product Specification     | PS-503304-001-001            |
| Sales Drawing             | SD-503308-001, SD-503308-002 |



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/61/2018 (27 June  
2018)

**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**

[503308](#) Series

**Mates With**

SlimStack Board-to-Board Receptacle  
[503304](#) , [503489](#)

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