

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

**Part Number:** **5037721010**  
**Status:** **Active**  
**Overview:** SlimStack™ 0.40mm Pitch Board-to-Board Connectors  
**Description:** 0.40mm Pitch SlimStack B8 Board-to-Board Receptacle, Surface Mount, Dual Row, Vertical, 0.80mm Stacking Height, 10 Circuits

**Documents:**

|   |   |
|---|---|
| <a href="#">3D Model</a>                                      | <a href="#">Application Specification AS-503772-001-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Packaging Specification SPK-503772-001-001 (PDF)</a>  |
| <a href="#">Product Specification PS-503772-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>              |

**General**

|                |   |
|----------------|---|
| Product Family | PCB Receptacles                                   |
| Series         | 503772  |
| Application    | Board-to-Board, Signal                            |
| Overview       | SlimStack™ 0.40mm Pitch Board-to-Board Connectors |
| Product Name   | SlimStack   |
| Series Name    | B8  |
| UPC            | 884982653528                                      |

**Physical**

|                                |                       |
|--------------------------------|-----------------------|
| Circuits (Loaded)              | 10                    |
| Circuits (maximum)             | 10                    |
| Color - Resin                  | Black                 |
| Durability (mating cycles max) | 30                    |
| Glow-Wire Capable              | No                    |
| Lock to Mating Part            | Yes                   |
| Mated Height                   | 0.80mm                |
| Mated Width                    | 2.50mm                |
| Material - Metal               | Copper Alloy          |
| Material - Plating Mating      | Gold                  |
| Material - Plating Termination | Gold                  |
| Net Weight                     | 10.397/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         |

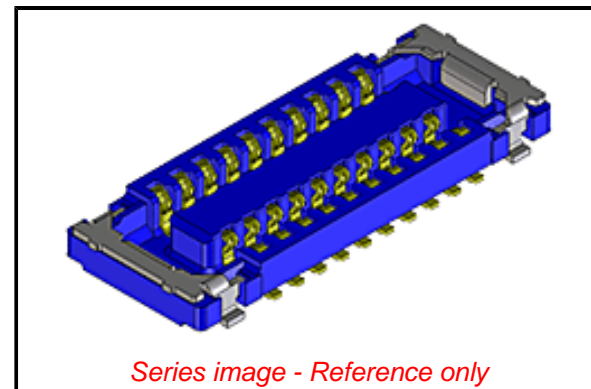
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

|                           |                                |
|---------------------------|--------------------------------|
| Application Specification | AS-503772-001-001              |
| Packaging Specification   | SPK-503772-001-001             |
| Product Specification     | PS-503772-001-001              |
| Sales Drawing             | 5037720000-000, 5037721000-000 |



**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

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[503772 Series](#)

**Mates With**

SlimStack B8 Board-to-Board Plug  
[503776-1010](#)

This document was generated on 08/16/2018

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**