

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

**Part Number:** [0525841009](#)  
**Status:** **Obsolete**  
**Description:** 1.00mm (.039") Pitch Receptacle, Dual Row Surface Mount, Vertical Stacking, 8.00, 9.00, 10.00, and 18.00mm (.315, .354, .394 and .709") Stacking Heights, 100 Circuits  
**Replacement Part Number:** [525841079](#)

**Documents:**  
[Drawing \(PDF\)](#)

**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                         |                           |
|-------------------------|---------------------------|
| Product Family          | PCB Receptacles           |
| Series                  | <a href="#">52584</a>     |
| Application             | Board-to-Board, Signal    |
| Product Name            | SlimStack™                |
| Replacement Part Number | <a href="#">525841079</a> |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 100                            |
| Color - Resin                  | Natural                        |
| Durability (mating cycles max) | 50                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | No                             |
| Material - Metal               | Phosphor Bronze                |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin-Lead                       |
| Material - Resin               | High Temperature Thermoplastic |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | Yes                            |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.60mm (.063")                 |
| Packaging Type                 | Tube                           |
| Pitch - Mating Interface       | 1.00mm (.039")                 |
| Plating min - Mating           | 0.254µm (10µ")                 |
| Plating min - Termination      | 2.032µm (80µ")                 |
| Polarized to PCB               | No                             |
| Surface Mount Compatible (SMC) | N/A                            |
| Temperature Range - Operating  | -55°C to +85°C                 |
| Termination Interface: Style   | Surface Mount                  |

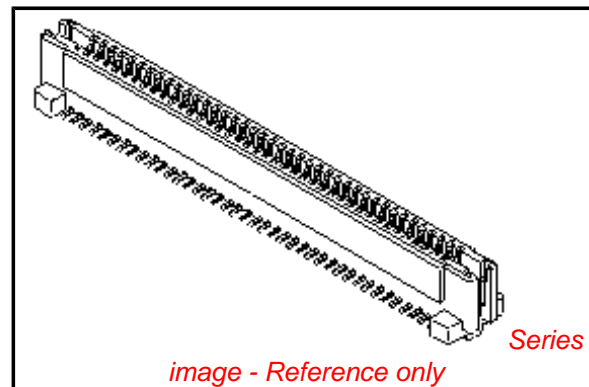
**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 0.5A |
| Voltage - Maximum             | 100V |

**Material Info**

**Reference - Drawing Numbers**

|                       |                            |
|-----------------------|----------------------------|
| Product Specification | PS-52584-002               |
| Sales Drawing         | SD-52584-009, SD-52584-010 |



*image - Reference only*

**EU RoHS**

**Not RoHS Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Not Reviewed**

**China RoHS**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[52584Series](#)

**Mates With**

[53396](#) , [53395](#) , [53408](#)

This document was generated on 05/05/2011

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