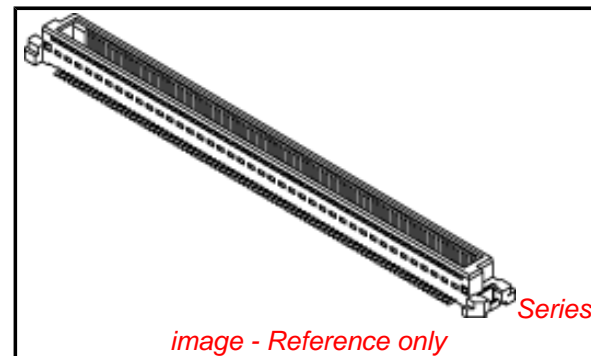


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**Part Number:** [5017500874](#)  
**Status:** **Active**  
**Overview:** [slimstack\\_0635mm\\_025\\_pitch](#)  
**Description:** 0.635mm (.025") Pitch SlimStack™ Board-to-Board Plug, SMT, Dual Row, Vertical Stacking, 5.00mm (.197") Stacking Height, Gold (Au) Plating, With Cover, Embossed Tape, 80 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-501749-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)



**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers                                |
| Series         | <a href="#">501750</a>                     |
| Application    | Board-to-Board                             |
| Comments       | Stacking-Type                              |
| Overview       | <a href="#">slimstack_0635mm_025_pitch</a> |
| Product Name   | SlimStack™                                 |

**Physical**

|                                |   |
|--------------------------------|---|
| Breakaway                      | No                                      |
| Circuits (Loaded)              | 80                                      |
| Circuits (maximum)             | 80                                      |
| Color - Resin                  | Natural                                 |
| Durability (mating cycles max) | 50                                      |
| First Mate / Last Break        | No                                      |
| Glow-Wire Compliant            | No                                      |
| Guide to Mating Part           | No                                      |
| Keying to Mating Part          | None                                    |
| Lock to Mating Part            | None                                    |
| Mated Height (in)              | 0.197 In                                |
| Mated Height (mm)              | 5.00 mm                                 |
| Material - Metal               | Brass, Phosphor Bronze, Stainless Steel |
| Material - Plating Mating      | Gold                                    |
| Material - Plating Termination | Tin                                     |
| Material - Resin               | High Temperature Thermoplastic          |
| Number of Rows                 | 2                                       |
| Orientation                    | Vertical                                |
| PCB Locator                    | Yes                                     |
| PCB Retention                  | Yes                                     |
| Packaging Type                 | Embossed Tape on Reel                   |
| Pitch - Mating Interface (in)  | 0.025 In                                |
| Pitch - Mating Interface (mm)  | 0.64 mm                                 |
| Plating min: Mating (µin)      | 30.4                                    |
| Plating min: Mating (µm)       | 0.76                                    |
| Plating min: Termination (µin) | 80                                      |
| Plating min: Termination (µm)  | 2                                       |
| Polarized to Mating Part       | Yes                                     |
| Polarized to PCB               | Yes                                     |
| Robotic Placement              | Metal Cap                               |
| Shrouded                       | Fully                                   |
| Stackable                      | No                                      |
| Temperature Range - Operating  | -55°C to +85°C                          |
| Termination Interface: Style   | Surface Mount                           |

**Electrical**

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Halogen-Free 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**

[501750Series](#)

**Mates With**

[501749 PCB Receptacle](#)

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

**Material Info**

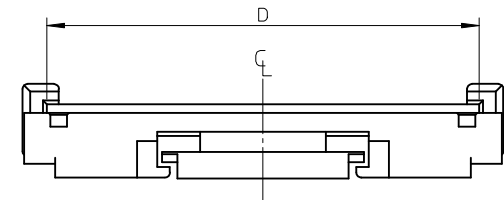
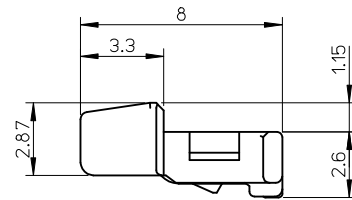
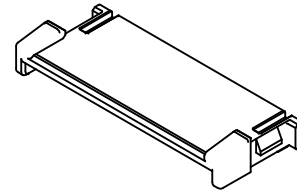
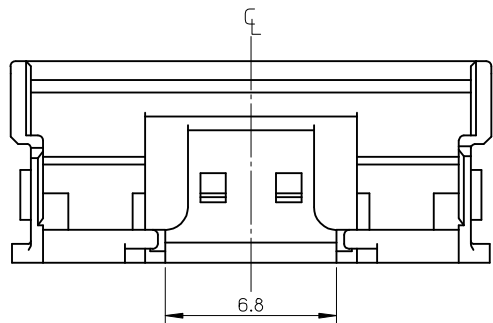
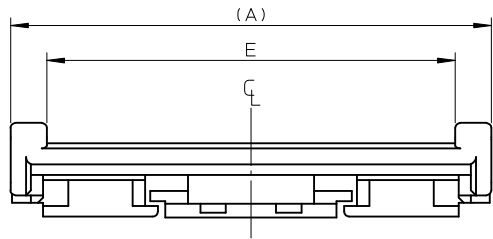
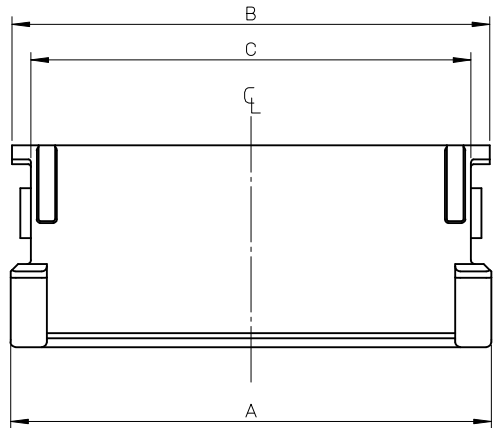
**Reference - Drawing Numbers**

|                       |                              |
|-----------------------|------------------------------|
| Product Specification | PS-501749-001                |
| Sales Drawing         | SD-501750-001, SD-501750-002 |

This document was generated on 05/26/2010

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10 9 8 7 6 5 4 3 2 1



|      |       |       |       |       |              |    |
|------|-------|-------|-------|-------|--------------|----|
| 16.2 | 17.16 | 17.46 | 18.96 | 19.08 | 501783-3009  | 30 |
| E    | D     | C     | B     | A     | MATERIAL NO. | 極数 |

|  |       |   |                  |   |                        |                        |  |
|--|-------|---|------------------|---|------------------------|------------------------|--|
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |       | DIMENSION STYLE<br>MM ONLY  |                  | SCALE<br>//                                 | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |  |
| 10 UNDER   | ±0.2  | DRAWN BY<br>H. IJIMA  | DATE<br>07/11/27 | TITLE<br>0.5 FPC TO BOARD CONN. PLUG JACKET |                        |                        |  |
| 10 OVER 30 UNDER                                     | ±0.25 | CHECKED BY<br>K. MORIKAWA   | DATE<br>07/11/27 | MOLEX INCORPORATED                          |                        |                        |  |
| 30 OVER  | ±0.3  | APPROVED BY<br>H. HIRATA  | DATE<br>07/11/27 |   |                        |                        |  |
| ANGULAR ±1 °   |       | MATERIAL NO.<br>501783-**09   |                  | DOCUMENT NO.<br>SD-501783-004               |                        | SHEET NO.<br>1 OF 1    |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                  |   |                        |                        |  |

注記  
NOTES

- 適合プラグジャケットカバー : 501784-\*\*08, -\*\*09  
APPLICABLE PLUG JACKET COVER : 501784-\*\*08, -\*\*09
- 材質  
MATERIAL  
PBT, UL94V-0, 色: 黒色  
PBT, UL94V-0, COLOR: BLACK
- ELV 及び RoHS 適合品  
ELV AND RoHS COMPLIANT

|                   |             |
|-------------------|-------------|
| REVISED           | DESCRIPTION |
| EC NO: J2009-1715 | 2009/02/04  |
| DRWN: MTAKASAKI   | 2009/02/05  |
| CHKD: MHAYASHI    | 2009/02/05  |
| APPR: NUKITA      | 2009/02/05  |
| REV               | DESCRIPTION |
| A                 |             |