



Part Number : [513380274](#)

Product Description : SlimStack Board-to-Board Receptacle, 0.40mm Pitch, J-Bend Series, 0.20µm Gold (Au) Plating, 1.50 or 2.00mm Mated Height, 3.40mm Mated Width, 20 Circuits

Series Number : 51338  
Product Category : Board-to-Board Connectors

Status : Active

Documents & Resources


Drawings  
[Drawing 513380274\\_sd.pdf](#)

3D Models and Design Files  
[3D Model 513380274\\_stp.zip](#)

Specifications  
[Packaging Specification SPK-51338-001-001.pdf](#)  
[Product Specification PS-51338-002-001.pdf](#)

Product Environment Compliance

Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 34; 33                                                   |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2023)8585-DC (23 Jan 2024)                                        |
| EU RoHS            | Compliant per EU 2015/863                                                             |

- Multiple Part Product Compliance Statements
- Eu RoHS
  - REACH SVHC
  - Low-Halogen

- Multiple Part Industry Compliance Documents
- IPC 1752A Class C
  - IPC 1752A Class D

- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

|                |                                                                                                                                                          |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                   |
| Category       | Board-to-Board Connectors                                                                                                                                |
| Series         | 51338                                                                                                                                                    |
| Description    | SlimStack Board-to-Board Receptacle, 0.40mm Pitch, J-Bend Series, 0.20µm Gold (Au) Plating, 1.50 or 2.00mm Mated Height, 3.40mm Mated Width, 20 Circuits |
| Series Name    | 0.4, J-Bend                                                                                                                                              |
| Application    | Board-to-Board, Signal                                                                                                                                   |
| Comments       | Solder Tab Plating: Tin (Sn) over Nickel                                                                                                                 |
| Component Type | PCB Receptacle                                                                                                                                           |
| Product Family | SlimStack Board-to-Board/Board-to-FPC Connectors                                                                                                         |
| Product Name   | SlimStack                                                                                                                                                |
| UPC            | 822348296750                                                                                                                                             |

#### Electrical

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

#### Physical

|                                |                |
|--------------------------------|----------------|
| Circuits (Loaded)              | 20             |
| Circuits (maximum)             | 20             |
| Color - Resin                  | Black          |
| Durability (mating cycles max) | 30             |
| Glow-Wire Capable              | No             |
| Lock to Mating Part            | Yes            |
| Mated Height                   | 1.50mm, 2.00mm |

|                                |                       |
|--------------------------------|-----------------------|
| Mated Width                    | 3.40mm                |
| Material - Metal               | Phosphor Bronze       |
| Material - Plating Mating      | Gold                  |
| Material - Plating Termination | Gold                  |
| Net Weight                     | 44.981/mg             |
| Number of Rows                 | 2                     |
| Orientation                    | Vertical              |
| Packaging Type                 | Embossed Tape on Reel |
| PCB Locator                    | No                    |
| PCB Retention                  | None                  |
| Pitch - Mating Interface       | 0.40mm                |
| Pitch - Termination Interface  | 0.40mm                |
| Plating min - Mating           | 0.200µm               |
| Polarized to Mating Part       | No                    |
| Polarized to PCB               | No                    |
| Temperature Range - Operating  | -40° to +105°C        |
| Termination Interface Style    | Surface Mount         |

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## Mates With / Use With

### Mates with Part(s)

| Description                           | Part Number  |
|---------------------------------------|--------------|
| 0.40mm Pitch Vertical SlimStack Plugs | <u>55909</u> |

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