



Part Number : 5055511620

Series Number : 505551

Product Category : Board-to-Board  
Connectors

Product Description : SlimStack Board-to-Board Plug, 0.40mm Pitch, B8 Series, 0.80mm Mated Height, 2.50mm Mated Width, 16 Circuits

Status : Active

Documents & Resources

Drawings

Drawing 5055511620\_sd.pdf

3D Models and Design Files

3D Model 5055511620\_stp.zip

Specifications

Packaging Specification 5055519200-200.pdf

Product Specification 5055500000-002.pdf

Product Environment Compliance

Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Not Relevant  |
| 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         | 505551   |
| Description    | SlimStack Board-to-Board Plug, 0.40mm Pitch, B8 Series, 0.80mm Mated Height, 2.50mm Mated Width, 16 Circuits |
| Series Name    | 0.4, B8  |
| Application    | Board-to-Board   |
| Component Type | PCB Header   |
| Product Family | SlimStack Board-to-Board/Board-to-FPC Connectors   |
| Product Name   | SlimStack  |
| UPC            | 191128261999   |

#### Electrical

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

#### Physical

|                                |              |
|--------------------------------|--------------|
| Breakaway                      | No           |
| Circuits (Loaded)              | 16           |
| Circuits (maximum)             | 16           |
| 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                   |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 8.600/mg               |
| Number of Rows                 | 2                      |
| Orientation                    | Vertical               |
| Packaging Type                 | Embossed Tape on Reel  |
| PCB Locator                    | No                     |
| PCB Retention                  | Yes                    |
| Pitch - Mating Interface       | 0.40mm                 |
| Pitch - Termination Interface  | 0.40mm                 |
| Plating min - Mating           | 0.100µm                |
| Plating min - Termination      | 0.050µm                |
| Polarized to Mating Part       | No                     |
| Polarized to PCB               | No                     |
| Temperature Range - Operating  | -40° to +85°C          |
| Termination Interface Style    | Surface Mount          |

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## Mates With / Use With

### Mates with Part(s)

| Description                                       | Part Number   |
|---|---------------|
| 0.40mm Pitch SlimStack Board-to-Board Receptacles | <u>505550</u> |