



Part Number : 2039560203

Series Number : 203956

Product Category : Board-to-Board Connectors

Product Description : SlimStack Board-to-Board Plug, 0.40mm Pitch, FSB5 Floating Series, 5.00mm Mated Height, 3.80 Mated Width, 20 Circuits

Status : Active

Documents & Resources

Drawings

Drawing 2039560203\_sd.pdf

3D Models and Design Files

2D Drawing DXF 2039560203.dxf

2D Drawing DXF (PDF) 2039560203.pdf

3D Model 2039560203\_stp.zip

Specifications

Application Specification 2039550000-003.pdf

Packaging Specification 2039569200-SPK-201.pdf

Product Specification 2039550000-002.pdf

Product Environment Compliance

Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33; 34                                                   |
| 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         | 203956                                                                                                                |
| Description    | SlimStack Board-to-Board Plug, 0.40mm Pitch, FSB5 Floating Series, 5.00mm Mated Height, 3.80 Mated Width, 20 Circuits |
| Series Name    | 0.4, FSB5                                                                                                             |
| Application    | Board-to-Board, Signal                                                                                                |
| Component Type | PCB Header                                                                                                            |
| Product Family | SlimStack Board-to-Board/Board-to-FPC Connectors                                                                      |
| Product Name   | SlimStack                                                                                                             |
| UPC            | 193264229024                                                                                                          |

### Electrical

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 0.3A            |
| Voltage - Maximum             | 40V AC (RMS)/DC |

### Physical

|                                |        |
|--------------------------------|--------|
| Breakaway                      | No     |
| Circuits (Loaded)              | 20     |
| Circuits (maximum)             | 20     |
| Color - Resin                  | Black  |
| Durability (mating cycles max) | 30     |
| Glow-Wire Capable              | No     |
| Lock to Mating Part            | None   |
| Mated Height                   | 5.00mm |

|                                |                        |
|--------------------------------|------------------------|
| Mated Width                    | 3.80mm                 |
| Material - Metal               | Copper Alloy           |
| Material - Plating Mating      | Gold                   |
| Material - Plating Termination | Gold                   |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 108.403/mg             |
| Number of Rows                 | 2                      |
| Orientation                    | Vertical               |
| Packaging Type                 | Embossed Tape on Reel  |
| PCB Locator                    | No                     |
| Pitch - Mating Interface       | 0.40mm                 |
| Pitch - Termination Interface  | 0.40mm                 |
| Polarized to Mating Part       | No                     |
| Polarized to PCB               | No                     |
| Temperature Range - Operating  | -40° to +125°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>203955</u> |