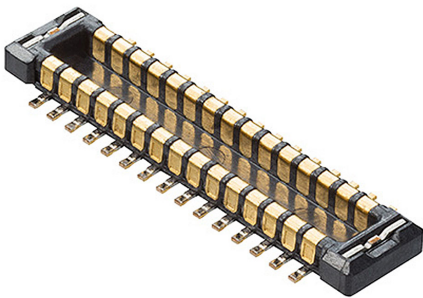




**Part Number :** 5055511620  
**Product Description :** SlimStack Board-to-Board Plug, 0.40mm Pitch, B8 Series, 0.80mm Mated Height, 2.50mm Mated Width, 16 Circuits  
**Series Number :** 505551  
**Status :** New Business Not Supported  
**Product Category :** Board-to-Board Connectors



Documents & Resources

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(2024)4144-DC (27 June 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

Part Details

General

|                |  |
|----------------|--|
| Status         | New Business Not Supported   |
| 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 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 |