



Part Number : 550912074

Series Number : 55091

Product Category : Board-to-Board
Connectors

Product Description : SlimStack Board-to-Board Connector, 0.635mm Pitch, 0.635 Series, Plug, 6.00 or 12.00mm Mated Height, 6.40mm Mated Width, 200 Circuits, with Embossed Tape on Reel Packaging

Status : Active

Documents & Resources

Drawings

Drawing 550912074_sd.pdf

3D Models and Design Files

3D Model 550912074_stp.zip


Specifications

Packaging Specification 550919200-200.pdf

Product Specification 527600000-000.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(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 | Active |
| Category | Board-to-Board Connectors |
| Series | 55091 |
| Description | SlimStack Board-to-Board Connector, 0.635mm Pitch, 0.635 Series, Plug, 6.00 or 12.00mm Mated Height, 6.40mm Mated Width, 200 Circuits, with Embossed Tape on Reel Packaging |
| Series Name | 0.635, Rigid |
| Application | Board-to-Board, Signal |
| Comments | Stacking-Type |
| Component Type | PCB Header |
| Product Family | SlimStack Board-to-Board/Board-to-FPC Connectors |
| Product Name | SlimStack |
| UPC | 191128871525 |

Electrical

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

Physical

| | |
|--------------------------------|-------|
| Breakaway | No |
| Circuits (Loaded) | 200 |
| Circuits (maximum) | 200 |
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| First Mate / Last Break | No |
| Glow-Wire Capable | No |

| | |
|--------------------------------|--------------------------------|
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | Yes |
| Mated Height | 12.00mm, 6.00mm |
| Mated Width | 6.40mm |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 1562.609/mg |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Embossed Tape on Reel |
| PCB Locator | Yes |
| PCB Retention | Yes |
| Pitch - Mating Interface | 0.635mm |
| Polarized to PCB | Yes |
| Robotic Placement | Metal Cap |
| Shrouded | Fully |
| Temperature Range - Operating | -55° to +105°C |
| Termination Interface Style | Surface Mount |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|--|--------------|
| 0.635mm Pitch Vertical SlimStack Receptacles | <u>52885</u> |
| 0.635mm Pitch Vertical SlimStack Receptacles | <u>52901</u> |