



Part Number : 5052703012

Series Number : 505270
Product Category : Board-to-Board
Connectors

Product Description : SlimStack Board-to-Board Receptacle, 0.35mm Pitch, SSB RP Series, 0.70 or 0.80mm Mated Height, 2.00mm Mated Width, 30 Circuits, Armor Nail
Status : Active

Documents & Resources


Drawings
Drawing 5052703012_sd.pdf

3D Models and Design Files
2D Drawing DXF 5052703012.dxf
2D Drawing DXF (PDF) 5052703012.pdf
3D Model 5052703012_stp.zip

Specifications
Application Specification 5052700000-A01.pdf
Packaging Specification 5052709200SPK-200.pdf
Product Specification 5052700001-PS-000.pdf
Product Specification 5052700002-PS-000.pdf
Product Specification 5052700003-PS-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(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

Part Details

General

| | |
|----------------|--|
| Status | Active |
| Category | Board-to-Board Connectors |
| Series | 505270 |
| Description | SlimStack Board-to-Board Receptacle, 0.35mm Pitch, SSB RP Series, 0.70 or 0.80mm Mated Height, 2.00mm Mated Width, 30 Circuits, Armor Nail |
| Series Name | 0.35, SSB RP |
| Application | Board-to-Board |
| Component Type | PCB Receptacle |
| Product Family | SlimStack Board-to-Board/Board-to-FPC Connectors |
| Product Name | SlimStack |
| UPC | 191128462037 |

Electrical

| | |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 0.3A, 3.0A |
| Voltage - Maximum | 50V AC (RMS)/DC |

Physical

| | |
|--------------------------------|----------------|
| Circuits (Loaded) | 30 |
| Circuits (maximum) | 30 |
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |
| Glow-Wire Capable | No |
| Mated Height | 0.70mm, 0.80mm |
| Mated Width | 2.00mm |

| | |
|--------------------------------|------------------------|
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Gold |
| Material - Resin | Liquid Crystal Polymer |
| Net Weight | 15.700/mg |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Embossed Tape on Reel |
| PCB Locator | No |
| PCB Retention | Yes |
| Pitch - Mating Interface | 0.35mm |
| Pitch - Termination Interface | 0.35mm |
| 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 |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|---|---------------|
| 0.35mm Pitch SlimStack Board-to-Board Plugs | <u>505070</u> |
| 0.35mm Pitch SlimStack Board-to-Board Plugs | <u>505274</u> |