



Part Number : [5052704012](#)
Product Description : SlimStack Board-to-Board Receptacle, 0.35mm Pitch, SSB RP Series, 0.70 or 0.80mm Mated Height, 2.00mm Mated Width, 40 Circuits, Armor Nail
Series Number : 505270
Status : Active
Product Category : Board-to-Board Connectors



Documents & Resources

Drawings

[Drawing 5052704012_sd.pdf](#)

3D Models and Design Files

- [2D Drawing DXF 5052704012.dxf](#)
- [2D Drawing DXF \(PDF\) 5052704012.pdf](#)
- [3D Model 5052704012_stp.zip](#)

Specifications

- [Application Specification 5052700000-A01.pdf](#)
- [Packaging Specification 5052709200SPK-200.pdf](#)
- [Product Specification 5052700001-PS-000.pdf](#)
- [Product Specification 5052700003-PS-000.pdf](#)
- [Product Specification 5052700004-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, 40 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	191128462051

Electrical

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

Physical

Circuits (Loaded)	40
Circuits (maximum)	40
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	19.110/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>