



Part Number : [5017450501](#)

Product Description : SlimStack Board-to-Board Plug, 0.40mm Pitch, J-Bend Series, 2.00 or 2.30mm Mated Height, 3.40 or 4.20mm Mated Width, 50 Circuits

Series Number : 501745

Status : Active

Product Category : Board-to-Board Connectors



Documents & Resources

Drawings

[5017450501_sd.pdf](#)

3D Models and Design Files

[5017450501_stp.zip](#)

Specifications

[SPK-501745-001-001.pdf](#)

[PS-500913-002-001.pdf](#)

[PS-51338-003-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
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	501745
Description	SlimStack Board-to-Board Plug, 0.40mm Pitch, J-Bend Series, 2.00 or 2.30mm Mated Height, 3.40 or 4.20mm Mated Width, 50 Circuits
Series Name	0.4, J-Bend
Application	Board-to-Board, Signal
Comments	Solder Tab Plating: Tin
Component Type	PCB Header
Product Name	SlimStack
UPC	884982001138

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	50
Circuits (maximum)	50
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Capable	No
Lock to Mating Part	Yes
Mated Height	2.00mm, 2.30mm

Mated Width	3.40mm, 4.20mm
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Liquid Crystal Polymer
Net Weight	61.700/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
Polarized to Mating Part	No
Polarized to PCB	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

Description	Part Number
0.40mm Pitch SlimStack Board-to-Board Receptacles	<u>500913</u>
0.40mm Pitch Vertical SlimStack Receptacles	<u>51338</u>