



Part Number : [538850508](#)

Product Description : 0.50mm Pitch SlimStack Plug, Surface Mount, Dual Row, Vertical, 2.50mm Stack Height, without Solder Tab, 50 Circuits

Series Number : 53885

Status : Active

Product Category : Board-to-Board Connectors

Documents & Resources

Drawings

[Drawing 538850508_sd.pdf](#)

3D Models and Design Files

[3D Model 538850508_stp.zip](#)


Specifications

[Packaging Specification SPK-53885-001-001.pdf](#)

[Product Specification PS-54102-011-001.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	53885
Description	0.50mm Pitch SlimStack Plug, Surface Mount, Dual Row, Vertical, 2.50mm Stack Height, without Solder Tab, 50 Circuits
Series Name	0.5, BB H2.5
Application	Board-to-Board, Signal
Component Type	PCB Header
Product Family	SlimStack Board-to-Board/Board-to-FPC Connectors
Product Name	SlimStack
UPC	800753493780

Electrical

Current - Maximum per Contact	0.5A
Voltage - Maximum	50V

Physical

Breakaway	No
Circuits (Loaded)	50
Circuits (maximum)	50
Durability (mating cycles max)	30
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	2.50mm

Mated Width	5.30mm
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Net Weight	91.124/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PC Tail Length	0.64mm
PCB Locator	No
PCB Retention	None
Pitch - Mating Interface	0.50mm
Plating min - Mating	0.254µm
Plating min - Termination	0.102µm
Polarized to PCB	No
Shrouded	Fully
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

Description	Part Number
0.50mm Pitch Vertical SlimStack Receptacles	<u>54102</u>