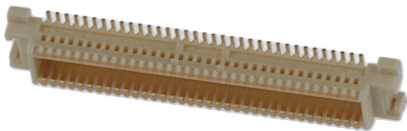




**Part Number :** [537480708](#)  
**Product Description :** 0.50mm Pitch SlimStack Plug, Surface Mount, Dual Row, Vertical, 3.00mm Stack Height, 70 Circuits, without Vacuum Pick-up Tape  
**Series Number :** 53748  
**Status :** Active  
**Product Category :** Board-to-Board Connectors



## Documents & Resources


**Drawings**  
[537480708\\_sd.pdf](#)

**3D Models and Design Files**  
[537480708\\_stp.zip](#)

**Specifications**  
[SPK-53748-001-001.pdf](#)  
[PS-52991-003-001.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

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### Part Details

#### General

Status	Active
Category	Board-to-Board Connectors
Series	53748
Description	0.50mm Pitch SlimStack Plug, Surface Mount, Dual Row, Vertical, 3.00mm Stack Height, 70 Circuits, without Vacuum Pick-up Tape
Series Name	0.5, BB H3/4
Application	Board-to-Board, Signal
Component Type	PCB Header
Product Name	SlimStack
UPC	800754359627

#### Electrical

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

#### Physical

Breakaway	No
Circuits (Loaded)	70
Circuits (maximum)	70
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Mated Height	3.00mm
Mated Width	5.40mm

Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Net Weight	170.150/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	None
Pitch - Mating Interface	0.50mm
Plating min - Mating	0.102µm
Polarized to PCB	No
Shrouded	Fully
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Surface Mount

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
0.50mm Pitch Vertical SlimStack Receptacles	<u>52991</u>
0.50mm Pitch Vertical SlimStack Receptacles	<u>54167</u>