



Part Number : 546840504

Series Number : 54684

Product Category : Board-to-Board  
Connectors

Product Description : SlimStack Board-to-Board Receptacle, 0.40mm Pitch, Surface Mount, Dual Row, Vertical Stacking, 4.00mm Stacking Height, 50 Circuits

Status : Active

Documents & Resources

Drawings

Drawing 546840504\_sd.pdf

3D Models and Design Files

3D Model 546840504\_stp.zip

Specifications


Packaging Specification SPK-54684-001-001.pdf

Product Specification PS-54684-006-001.pdf

Product Specification PS-54684-008-001.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(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	54684
Description	SlimStack Board-to-Board Receptacle, 0.40mm Pitch, Surface Mount, Dual Row, Vertical Stacking, 4.00mm Stacking Height, 50 Circuits
Series Name	0.4, BB H4
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Family	SlimStack Board-to-Board/Board-to-FPC Connectors
Product Name	SlimStack
UPC	884982289741

#### Electrical

Current - Maximum per Contact	0.3A
Voltage - Maximum	30V AC (RMS)/DC

#### Physical

Circuits (Loaded)	50
Circuits (maximum)	50
Color - Resin	Brown
Durability (mating cycles max)	30
Glow-Wire Capable	No
Mated Height	4.00mm
Mated Width	5.10mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold

Material - Plating Termination	Gold
Net Weight	207.801/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	None
Pitch - Mating Interface	0.40mm
Pitch - Termination Interface	0.40mm
Polarized to Mating Part	No
Polarized to PCB	No
Temperature Range - Operating	-25° 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 Vertical Plugs	<u>501017</u>