



Part Number : 539160208

Series Number : 53916

Product Category : Board-to-Board  
Connectors

Product Description : 0.50mm Pitch SlimStack  
Plug, Surface Mount, Dual Row, Vertical,  
4.00mm Stack Height, without Solder Tabs, 20  
Circuits, without Vacuum Pick-up Tape

Status : Active

## Documents & Resources

### Drawings

Drawing 539160208\_sd.pdf

### 3D Models and Design Files

3D Model 539160208\_stp.zip

### Specifications

Packaging Specification 539169200-SPK-200.pdf

Product Specification 529910000-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

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### Part Details

#### General

Status	Active
Category	Board-to-Board Connectors
Series	53916
Description	0.50mm Pitch SlimStack Plug, Surface Mount, Dual Row, Vertical, 4.00mm Stack Height, without Solder Tabs, 20 Circuits, without Vacuum Pick-up Tape
Series Name	0.5, BB H3/4
Application	Board-to-Board, Signal
Component Type	PCB Header
Product Family	SlimStack Board-to-Board/Board-to-FPC Connectors
Product Name	SlimStack
UPC	800754250306

#### Electrical

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

#### Physical

Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
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	4.00mm
Mated Width	5.40mm

Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Net Weight	87.937/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	0.254µm
Plating min - Termination	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>