



Part Number : 533092671

Series Number : 53309

Product Category : Board-to-Board Connectors

Product Description : SlimStack Board-to-Board Connector, 0.80mm Pitch, Plug, 5.65 or 6.65mm Mated Height, 26 Circuits, Right-Angle, with Boss

Status : Active

Documents & Resources

Drawings

Drawing 533092671\_sd.pdf

3D Models and Design Files

3D Model 533092671\_stp.zip

Specifications


Packaging Specification SPK-53309-001-001.pdf

Product Specification PS-52465-014-001.pdf

Product Specification PS-52588-031-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not 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	53309
Description	SlimStack Board-to-Board Connector, 0.80mm Pitch, Plug, 5.65 or 6.65mm Mated Height, 26 Circuits, Right-Angle, with Boss
Series Name	0.8 and above
Application	Board-to-Board, Signal
Component Type	PCB Header
Product Family	SlimStack Board-to-Board/Board-to-FPC Connectors
Product Name	SlimStack
UPC	822348191024

#### Electrical

Current - Maximum per Contact	0.5A
Voltage - Maximum	50V AC (RMS)/DC

#### Physical

Breakaway	No
Circuits (Loaded)	26
Circuits (maximum)	26
Color - Resin	Natural
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	5.65mm
Mated Width	4.70mm, 7.20mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	498.600/mg
Number of Rows	2
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
PC Tail Length	0.40mm
PCB Locator	No
PCB Retention	None
Pitch - Mating Interface	0.80mm
Plating min - Mating	1.016µm
Plating min - Termination	1.016µm
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
0.80mm Pitch Vertical SlimStack Receptacles	<u>52465</u>
0.80mm Pitch Vertical SlimStack Receptacles	<u>52588</u>