



Part Number : [529010474](#)

Series Number : 52901
Product Category : Board-to-Board Connectors

Product Description : SlimStack Board-to-Board Connector, 0.635mm Pitch, 0.635 Series, Receptacle, 12.00 to 16.00mm Mated Height, 6.40mm Mated Width, with Vacuum Pick-Up Area, 40 Circuits
Status : Active

Documents & Resources

Drawings
[Drawing 529010474_sd.pdf](#)

3D Models and Design Files
[3D Model 529010474_stp.zip](#)

Specifications
[Packaging Specification SPK-52901-001-001.pdf](#)
[Product Specification 527600000-000.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
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	52901
Description	SlimStack Board-to-Board Connector, 0.635mm Pitch, 0.635 Series, Receptacle, 12.00 to 16.00mm Mated Height, 6.40mm Mated Width, with Vacuum Pick-Up Area, 40 Circuits
Series Name	0.635, Rigid
Application	Board-to-Board, Signal
Comments	Stacking-Type
Component Type	PCB Receptacle
Product Family	SlimStack Board-to-Board/Board-to-FPC Connectors
Product Name	SlimStack
UPC	822348176526

Agency

UL	E29179
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Electrical

Current - Maximum per Contact	0.5A
Voltage - Maximum	100V

Physical

Circuits (Loaded)	40
Circuits (maximum)	40
Color - Resin	White
Durability (mating cycles max)	50

Flammability	94V-0
Glow-Wire Capable	No
Lock to Mating Part	Yes
Mated Height	12.00mm, 13.00mm, 14.00mm, 15.00mm, 16.00mm
Mated Width	6.40mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1137.663/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	0.635mm
Polarized to PCB	Yes
Robotic Placement	Vacuum Pick-Up Area
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

Description	Part Number
0.635mm Pitch Vertical SlimStack Plugs	<u>53625</u>
0.635mm Pitch Vertical SlimStack Plugs	<u>53627</u>
0.635mm Pitch Vertical SlimStack Plugs	<u>53647</u>
0.635mm Pitch Vertical SlimStack Plugs	<u>53649</u>
0.635mm Vertical SlimStack Plugs	<u>55091</u>

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