



Part Number : [528851474](#)
Product Description : SlimStack Board-to-Board Connector, 0.635mm Pitch, 0.635 Series, Receptacle, 6.00 to 10.00mm Mated Height, 6.40mm Mated Width, 140 Circuits
Series Number : 52885
Status : Active
Product Category : Board-to-Board Connectors



Documents & Resources

Drawings
[528851474_sd.pdf](#)

3D Models and Design Files
[528851474_stp.zip](#)

Specifications
[SPK-52885-001-001.pdf](#)
[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)7663-DC (21 Jan 2025)
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	52885
Description	SlimStack Board-to-Board Connector, 0.635mm Pitch, 0.635 Series, Receptacle, 6.00 to 10.00mm Mated Height, 6.40mm Mated Width, 140 Circuits
Series Name	0.635, Rigid
Application	Board-to-Board, Signal
Comments	Stacking-Type
Component Type	PCB Receptacle
Product Name	SlimStack
UPC	822348246212

Agency

UL	E29179
----	--------

Electrical

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

Physical

Circuits (Loaded)	140
Circuits (maximum)	140
Color - Resin	Natural
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Capable	No

Lock to Mating Part	None
Mated Height	10.00mm, 6.00mm, 7.00mm, 8.00mm, 9.00mm
Mated Width	6.40mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1537.999/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.00mm min
Pitch - Mating Interface	0.635mm
Plating min - Mating	0.254µm
Plating min - Termination	2.032µm
Polarized to PCB	Yes
Robotic Placement	Pick and Place Cap
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>

This document was generated on Apr 20, 2025