Part Number : 529010774
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, 70 Circuits
Series Number : 52901
Status : Active
Product Category : Board-to-Board Connectors



Documents and Resources

Drawings

529010774_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

SPK-52901-001-001.pdf

527600000-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)6375-DC (05 Nov 2025) SCIP:4ca39064-cffc-40c5-9177-af7a6731f890
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Board-to-Board Connectors
Series	0.635, Rigid
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, 70 Circuits
Application	Board-to-Board, Signal
Comments	Stacking-Type
Component Type	PCB Receptacle, Receptacle
Product Name	SlimStack
UPC	822348176564

Agency

UL	E29179

Electrical

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

Physical

Circuits (Loaded)	70
Circuits (maximum)	70
Color - Resin	White
Durability (mating cycles max)	50
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	1701.564/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
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	53625
0.635mm Pitch Vertical SlimStack Plugs	53627

0.635mm Pitch Vertical SlimStack Plugs	53647
0.635mm Pitch Vertical SlimStack Plugs	53649
0.635mm Vertical SlimStack Plugs	55091