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, with Vacuum Pick-Up Area, 140 Circuits
Series Number : 52885
Status : Active
Product Category : Board-to-Board Connectors



Documents and Resources

Drawings

528851474_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

SPK-52885-001-001.pdf

527600000-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
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)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

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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, 6.00 to 10.00mm Mated Height, 6.40mm Mated Width, with Vacuum Pick-Up Area, 140 Circuits
Application	Board-to-Board
Comments	Stacking-Type
Component Type	Receptacle
Product Name	SlimStack
UPC	822348246212

Agency

UL	E29179

Electrical

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

Physical

Circuits (Loaded)	140

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Circuits (maximum)	140
Color - Resin	Natural
Durability (mating cycles max)	50
Glow-Wire Capable	No
Lock to Mating Part	No
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	No
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	53625
0.635mm Pitch Vertical SlimStack Plugs	53627
0.635mm Pitch Vertical SlimStack	53647

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

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