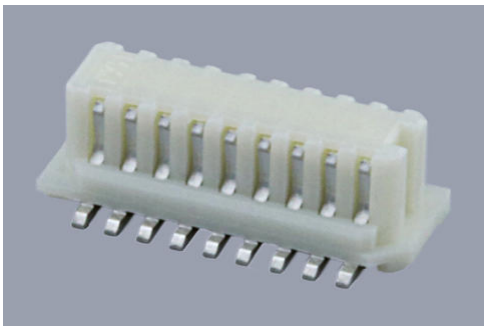
molex



Part Number : 524651871
Product Description : SlimStack Board-to-Board Connector, 0.80mm Pitch, Rigid Type Receptacle, 4.50 or 5.65mm Mated Height, Vertical, 18 Circuits, without Boss
Series Number : 52465
Status : Active
Product Category : Board-to-Board Connectors

Documents & Resources

Drawings

524651871_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

SPK-52465-002-001.pdf

PS-52465-010-001.pdf

PS-52465-014-001.pdf

PS-52465-015-001.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	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)

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	0.8 and above
Description	SlimStack Board-to-Board Connector, 0.80mm Pitch, Rigid Type Receptacle, 4.50 or 5.65mm Mated Height, Vertical, 18 Circuits, without Boss
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Name	SlimStack
UPC	822348142965

Electrical

Current - Maximum per Contact	0.5A
Voltage - Maximum	50V

Physical

Circuits (Loaded)	18

Circuits (maximum)	18
Color - Resin	Natural
Durability (mating cycles max)	30
Glow-Wire Capable	No
Keying to Mating Part	Yes
Lock to Mating Part	None
Mated Height	4.50mm, 5.65mm
Mated Width	4.70mm, 5.10mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	187.700/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	0.80mm
Plating min - Mating	1.016µm
Plating min - Termination	1.016µm
Polarized to PCB	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

Description	Part Number
0.80mm Pitch Vertical SlimStack Plugs	53307
0.80mm Pitch Right-Angle SlimStack Plugs	53309

This document was generated on Sep 24, 2025