molex
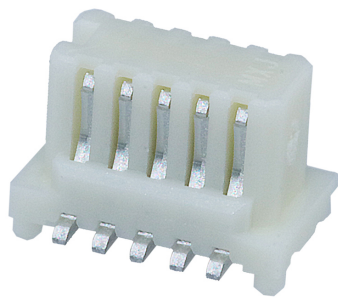
Part Number : 524653271

Product Description : SlimStack Board-to-Board Connector, 0.80mm Pitch, Rigid Type Receptacle, 4.50 or 5.65mm Mated Height, Vertical, 32 Circuits, without Boss

Series Number : 52465

Status : Active

Product Category : Board-to-Board Connectors

Documents & Resources

Drawings
524653271_sd.pdf

3D Models and Design Files
524653271_stp.zip

Specifications
SPK-52465-002-001.pdf
PS-52465-010-001.pdf
PS-52465-014-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	♻
EU ELV	Not Relevant
Low-Halogen Status	Not 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

Part Details

General

Status	Active
Category	Board-to-Board Connectors
Series	52465
Description	SlimStack Board-to-Board Connector, 0.80mm Pitch, Rigid Type Receptacle, 4.50 or 5.65mm Mated Height, Vertical, 32 Circuits, without Boss
Series Name	0.8 and above
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Name	SlimStack
UPC	822348143030

Electrical

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

Physical

Circuits (Loaded)	32
Circuits (maximum)	32
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	329.285/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