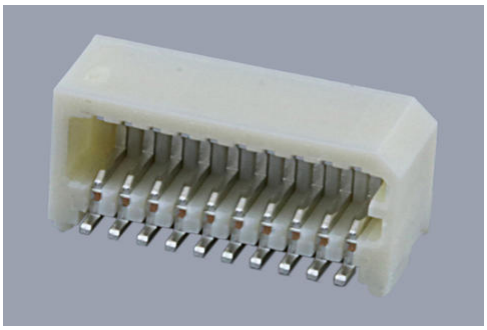
molex



Part Number : 533092071
Product Description : SlimStack Board-to-Board Connector, 0.80mm Pitch, Plug, 5.65mm Mated Height, 20 Circuits, Right-Angle, with Boss
Series Number : 53309
Status : Active
Product Category : Board-to-Board Connectors

Documents and Resources

Drawings

533092071_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

SPK-53309-001-001.pdf

PS-52465-014-001.pdf

PS-52588-031-001.pdf

PS-52588-032-001.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)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

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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, Plug, 5.65mm Mated Height, 20 Circuits, Right-Angle, with Boss
Application	Board-to-Board, Signal
Component Type	Plug
Product Name	SlimStack
UPC	822348190997

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20

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Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	No
Mated Height	5.65mm
Mated Width	4.70mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	396.450/mg
Number of Rows	2
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
PCB Locator	Yes
PCB Retention	No
Pitch - Mating Interface	0.80mm
Plating min - Mating	1.016µm
Plating min - Termination	1.016µm
Polarized to PCB	Yes
Shrouded	Shrouded
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 Receptacles	52465

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