

Part Number : [5055512420](#)

Product Description : SlimStack Board-to-Board Plug, 0.40mm Pitch, B8 Series, 0.80mm Mated Height, 2.50mm Mated Width, 24 Circuits

Series Number : 505551

Status : Not Recommended For New Design

Product Category : Board-to-Board Connectors

Documents & Resources

Drawings

[5055512420_sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)


Specifications

[5055519200-200.pdf](#)

[5055500000-002.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)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	Not Recommended For New Design
Category	Board-to-Board Connectors
Series	0.4, B8
Description	SlimStack Board-to-Board Plug, 0.40mm Pitch, B8 Series, 0.80mm Mated Height, 2.50mm Mated Width, 24 Circuits
Application	Board-to-Board
Component Type	PCB Header
Product Name	SlimStack
UPC	191128262019

Electrical

Current - Maximum per Contact	0.3A
Voltage - Maximum	50V AC (RMS)/DC

Physical

Breakaway	No
Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Black
Durability (mating cycles max)	30

Glow-Wire Capable	No
Lock to Mating Part	Yes
Mated Height	0.80mm
Mated Width	2.50mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Liquid Crystal Polymer
Net Weight	11.540/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	Yes
Pitch - Mating Interface	0.40mm
Pitch - Termination Interface	0.40mm
Plating min - Mating	0.100µm
Plating min - Termination	0.050µm
Polarized to Mating Part	No
Polarized to PCB	No
Temperature Range - Operating	-40° to +85°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

Description	Part Number
0.40mm Pitch SlimStack Board-to-Board Receptacles	<u>505550</u>