

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [5055504020](#)
Status: **Active**
Overview: SlimStack Board-to-Board/Board-to-FPC Connectors
Description: SlimStack Board-to-Board Receptacle, 0.40mm Pitch, B8 Series, 0.80mm Mated Height, 2.50mm Mated Width, 40 Circuits

Documents:

3D Model	Datasheet (PDF)
Drawing (PDF)	Product Guide (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification 5055500000-002 (PDF)	Reference Guide (PDF)
Packaging Specification 5055509200-200 (PDF)	

General

Product Family	PCB Receptacles
Series	505550
Application	Board-to-Board
Overview	SlimStack Board-to-Board/Board-to-FPC Connectors
Product Name	SlimStack
Series Name	0.4, B8
Taxonomy	Board-to-Board Connectors
UPC	191128261968

Physical

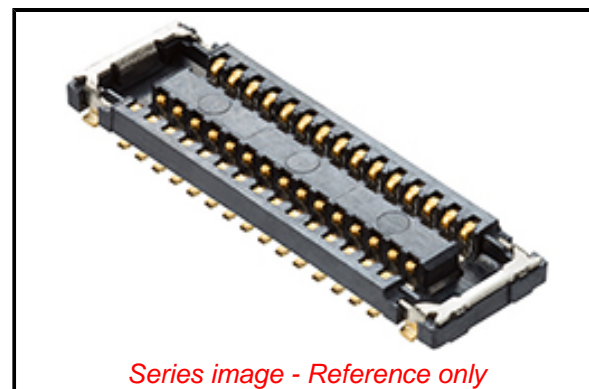
Circuits (Loaded)	40
Circuits (maximum)	40
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Capable	No
Lock to Mating Part	Yes
Mated Height	0.80mm
Mated Width	2.50mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Liquid Crystal Polymer
Net Weight	25.786/mg
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
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

Electrical

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

Material Info

Reference - Drawing Numbers



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[505550](#) Series

Mates With

SlimStack B8 Plug [505551](#)

Packaging Specification
Product Specification
Sales Drawing

5055509200-200
5055500000-002
5055500000-000, 5055501000-001

This document was generated on 09/01/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION