

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [5055512020](#)  
**Status:** **Active**  
**Overview:** SlimStack Board-to-Board Connectors  
**Description:** SlimStack Board-to-Board Plug, 0.40mm Pitch, B8 Series, 0.80mm Mated Height, 2.50mm Mated Width, 20 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Product Guide (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification 5055500000-002 (PDF)</a>	<a href="#">Reference Guide (PDF)</a>
<a href="#">Packaging Specification 5055519200-200 (PDF)</a>	

**General**

Product Family	PCB Headers
Series	<a href="#">505551</a>
Application	Board-to-Board
Overview	<a href="#">SlimStack Board-to-Board Connectors</a>
Product Name	SlimStack
Series Name	B8
UPC	191128262002

**Physical**

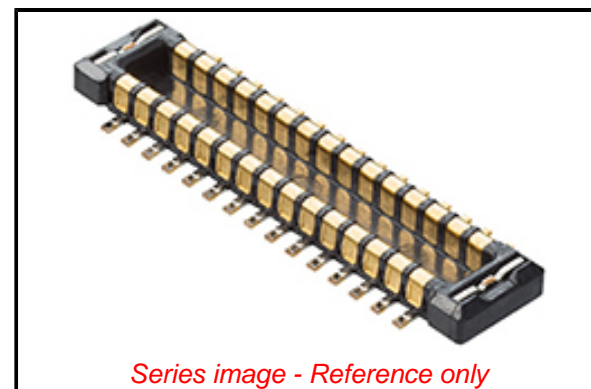
Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Capable	No
Lock to Mating Part	Yes
Mated Height	0.80mm
Mated Width	2.50mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Liquid Crystal Polymer
Net Weight	10.070/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**



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**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**

[505551](#) Series

**Mates With**

SlimStack B8 Receptacle [505550](#)

Packaging Specification  
Product Specification  
Sales Drawing

5055519200-200  
5055500000-002  
5055510000-001, 5055511000-002

This document was generated on 09/15/2020

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**