

SlimStack Board-to-Board Connectors, 0.40mm Pitch, J-Bend Series

molex

SlimStack 0.40mm pitch high-speed board-to-board connectors offer a wide variety of circuit sizes and stack heights for space-saving and design flexibility in a diverse range of applications for consumer, datacom, home appliance, mobile and medical industries.

General market and any industry request for quick sample availability and wide variety of selection. 0.40mm pitch J-Bend series have circuit size from 10 to 100. In addition, stack heights for this series is from 1.50mm to 2.30mm with same foot pattern. Molex Micro Solution design provide any solution to solve any market requirement.



SlimStack 0.40mm Pitch J-Bend Connectors

Features and Advantages

Contact terminal lock

Realizes high retention force

Audible click on mating

Provides contact assurance

Long wipe length

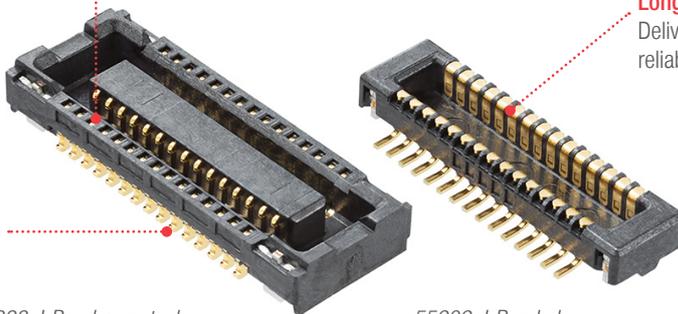
Delivers high contact reliability

In-house contact structure

Improved reliability against external shock. Protection from droplets of flux

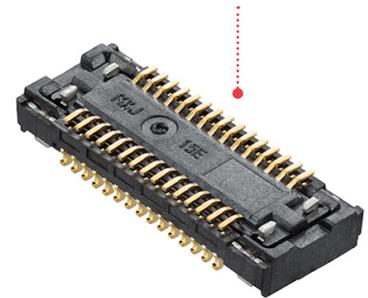
J-Bend structure

Provides space saving



51338 J-Bend receptacle

55909 J-Bend plug



Applications

Consumer

- Game Machine
- Security

Home Entertainment

- DVC/DSC
- Flat Panel

Smart Phones and Mobile Devices

- Mobile
- Wearables
- POS

Data/Computing

- Tablet PC

Data Center Solution

- Network Server

Medical

- Patient monitors

Wide range of circuit sizes (10 to 100) and height variations

Offers design flexibility

1.50mm (Receptacle 51338 / Plug 55909)

1.80mm (Receptacle 500913 / Plug 55909)

2.00mm (Receptacle 51338 / Plug 501745)

2.30mm (Receptacle 500913 / Plug 501745)

LINE UP Combination				
Series Number	Receptacle		Plug	
	51338	500913	55909	501745
Circuit	10 to 100	24 to 100	10 to 100	12 to 80
Mated Height (mm)	1.50 to 2.00	1.80 to 2.30	1.50 to 1.80	2.00 to 2.30



Medical



Gaming Machine



Tablet PC



Network Server

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Specifications

REFERENCE INFORMATION

Packaging: Embossed Tape on Reel
 Designed In: Millimeters
 RoHS: Yes
 Halogen: Low-Halogen

ELECTRICAL

Voltage (max.): 50V
 Current (max.): 0.3A per circuit

MECHANICAL

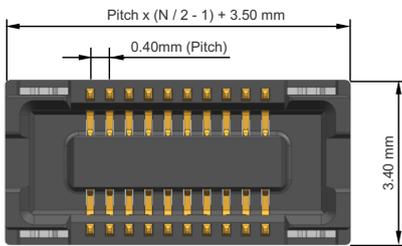
Mated Height (mm): 1.50, 1.80, 2.00, 2.30
 Width: 3.40mm / 4.20mm
 Length (mm): $0.40 \times (N/2 - 1) + 3.5$
 Wipe Length: 0.45mm
 Structure Type: Vertical type
 Durability (max.): 30 cycles

PHYSICAL

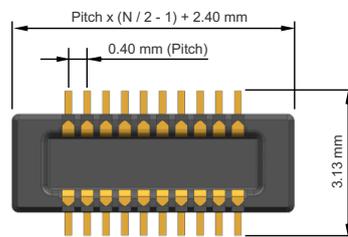
Housing: LCP, UL94V-0, Black
 Contact: Copper Alloy
 Plating:
 Contact Area – Gold
 Fitting Nail Area – Gold
 Underplating – Nickel
 Operating Temperature: -25 to +85°C

Dimensions

51338 Series

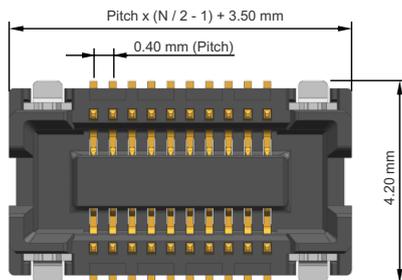


55909 Series

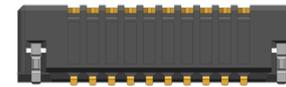
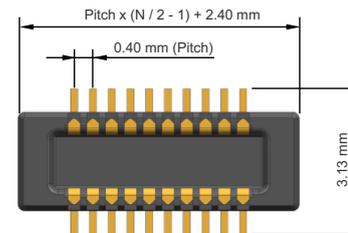


N : Circuit Size

500913 Series



501745 Series



Ordering Information

Mated Height (mm)	Width (mm)	Series No.		Circuit Size
		Receptacle	Plug	
1.50	3.40	51338	55909	10 to 100
1.80	4.20	500913	55909	24 to 100
2.00	3.40	51338	501745	12 to 80
2.30	4.20	500913	501745	30 to 70

www.molex.com/link/slimstack.html

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