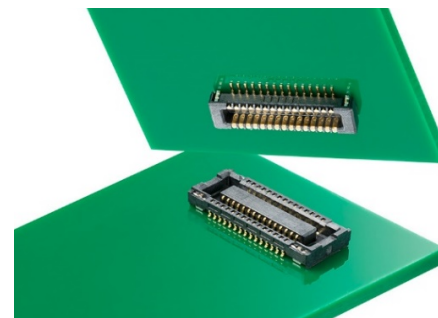


# SlimStack Board-to-Board Connectors, 0.40mm Pitch, J-Bend Series

**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

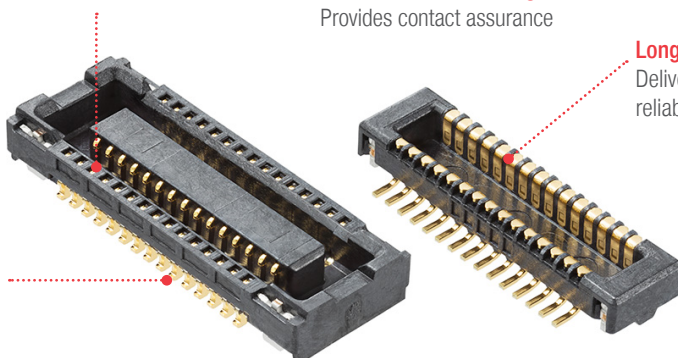
Delivers high contact reliability

### In-house contact structure

Improved reliability against external shock. Protection from droplets of flux

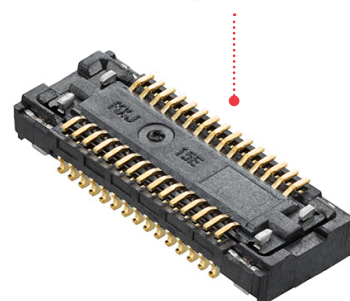
### J-Bend structure

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

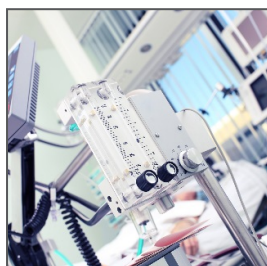
1.50mm (Receptacle 51338 / Plug 55909)

1.80mm (Receptacle 500913 / Plug 55909)

2.00mm (Receptacle 51338 / Plug 501745)

2.30mm (Receptacle 500913 / Plug 501745)

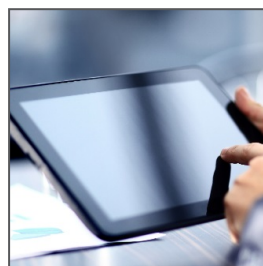
LINE UP Combination				
Series Number	Receptacle		Plug	
	51338	500913	55909	501745
Circuit	10 to 100	24 to 100	10 to 100	12 to 80
Mated Height (mm)	1.50 to 2.00	1.80 to 2.30	1.50 to 1.80	2.00 to 2.30



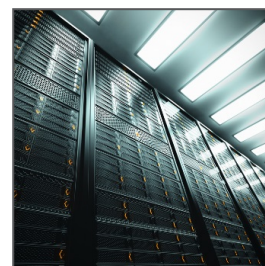
Medical



Gaming Machine



Tablet PC



Network Server

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

**molex**

## 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

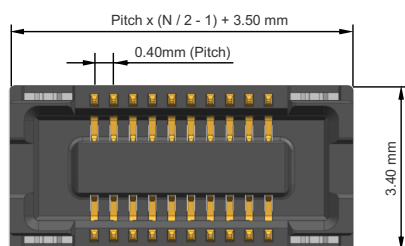
Mated Height (mm): 1.50, 1.80, 2.00, 2.30  
Width: 3.40mm / 4.20mm  
Length (mm):  $0.40 \times (N/2 - 1) + 3.5$   
Wipe Length: 0.45mm  
Structure Type: Vertical type  
Durability (max.): 30 cycles

### PHYSICAL

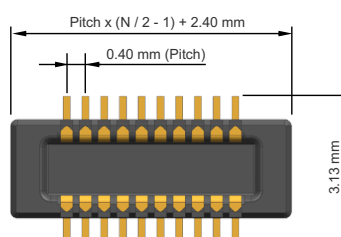
Housing: LCP, UL94V-0, Black  
Contact: Copper Alloy  
Plating:  
Contact Area – Gold  
Fitting Nail Area – Gold  
Underplating – Nickel  
Operating Temperature: -25 to +85°C

## Dimensions

### 51338 Series



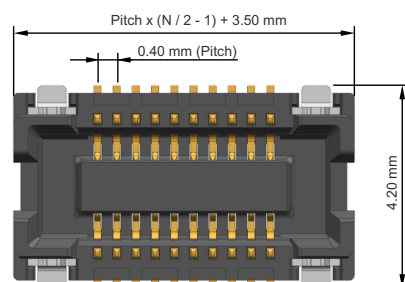
### 55909 Series



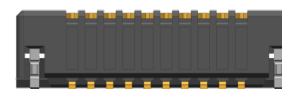
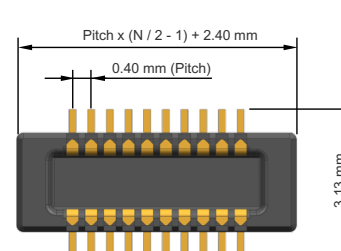
N : Circuit Size



### 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](http://www.molex.com/link/slimstack.html)

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