

# SlimStack 0.40-Pitch Board-to-Board Connectors With 4.00mm Height >

SlimStack 0.40mm-Pitch Board-to-Board Connectors with 4.00mm height offer design flexibility, with a wide range of circuit sizes, and a high operating temperature for environmental endurance

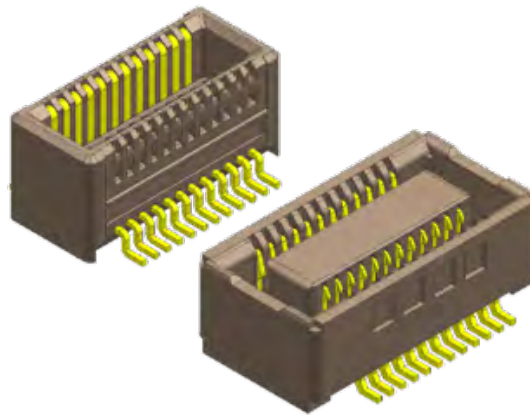
## FEATURES AND ADVANTAGES

### High operating temperature up to 105°C

Withstands harsh environments

### Contact reliability with long mating wipe

Secures electrical performance



### Large circuit sizes available (up to 120 circuits)

Delivers design flexibility

## APPLICATIONS

### Consumer

Point-of-Sale (POS) devices  
Security cameras

### Automotive

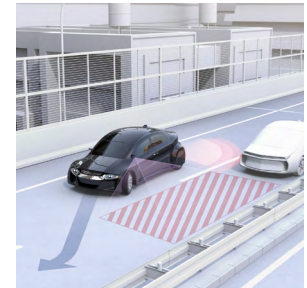
Car cameras  
Car radars  
Car LiDAR systems  
ADAS application sensors



POS Device



Security Camera



ADAS Application Sensors

## SPECIFICATIONS

### Reference Information

Packaging: Embossed tape on reel  
Designed In: Millimeters  
RoHS: Yes  
Halogen Free: Low halogen

### Mechanical

Durability (min.): 30 cycles

### Electrical

Voltage (max.): 30V  
Current (max.): 0.3A per circuit  
Contact Resistance (max.):  
60 milliohms  
Dielectric Withstanding Voltage:  
250V AC  
Insulation Resistance (min.):  
100 Megohms

### Physical

Housing: LCP, UL94V-0, brown  
Contact: Copper alloy  
Plating:  
Contact Area – Gold  
Solder Tail Area – GoldUnderplating – Nickel  
Operating Temperature: -25 to +105°C

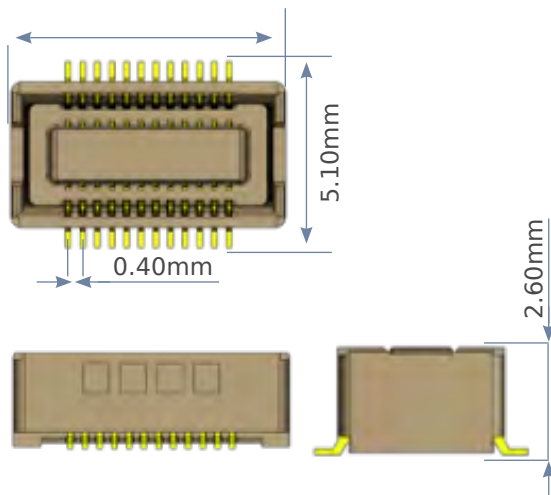
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## DIMENSIONS

Refer to drawing for more detailed dimensions

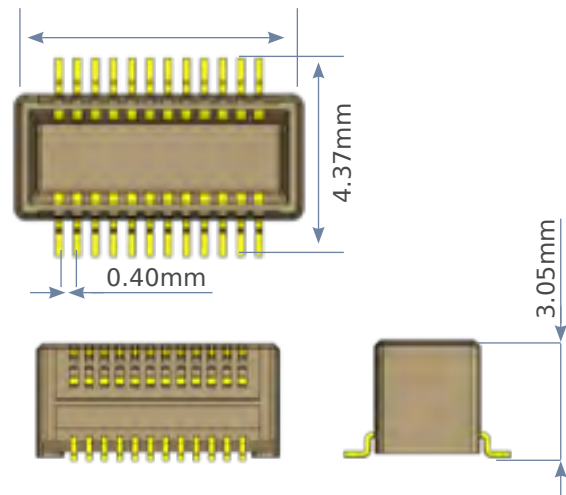
### Receptacle

0.40 by  $(N/2 - 1) + 3.10\text{mm}$



### Plug

0.40 by  $(N/2 - 1) + 1.95\text{mm}$



## ORDERING INFORMATION

Order No.		Mated Height (mm)	Mated Width (mm)	Circuits
Receptacle	Plug			
54684-xxx4	501017-xxx8	4.00	5.10	24, 50, 60, 80, 100
	501017-xxx3			120

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