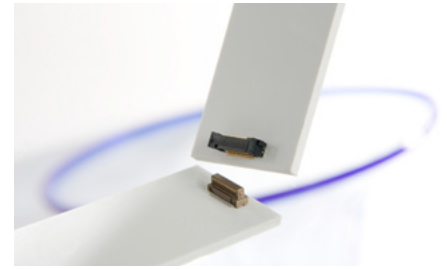


SlimStack Board-To-Board Connectors, 0.40mm Pitch Right-Angle Series >

Ideal for tight packaging applications such as digital still cameras, Molex's 0.40mm Pitch Right-Angle SlimStack B-to-B Connectors offers the lowest profile and smallest pitch in the market in a new cost-effective design.



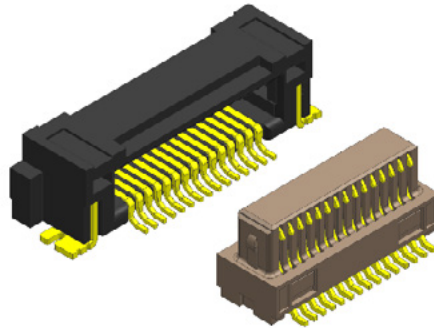
FEATURES AND ADVANTAGES

Housing Lock Structure

Provides secure mating and deliver high contact reliability

Contact reliability with long mating wipe

Secures electrical performance



Positioning Boss (Pegs) Structure

Prevent from slipping out of place and misalignment

APPLICATIONS

Consumer

Portable Devices, Headset
POS device
Security camera

Industrial

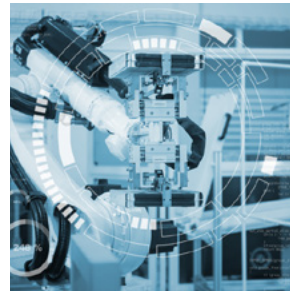
Factory Automation, PLC

Automotive

Car camera
ADAS application



Portable Devices / Headset



Factory Automation, PLC



Automotive

SlimStack Board-To-Board Connectors, 0.40mm Pitch Right-Angle Series >

SPECIFICATIONS

REFERENCE INFORMATION

Packaging: Embossed
 Designed In: Millimeters
 RoHS: Yes
 Halogen Free: Contact Molex for Halogen-free level

MECHANICAL

Durability (min.): 30 cycles

ELECTRICAL

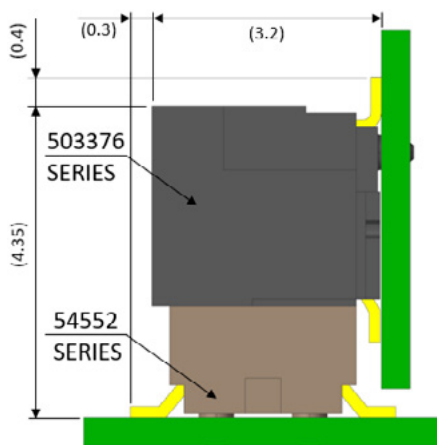
Voltage (max.): 30V
 Current (max.): 0.3A per circuit
 Contact Resistance (max.): 60 milliohms
 Dielectric Withstanding Voltage: 250V AC
 Insulation Resistance (min.): 100 Megohms

PHYSICAL

Housing: LCP, UL94V-0:
 (54552 brown; 503376 black)
 Contact: Phosphor Bronze
 Plating:
 Contact Area – Gold
 Solder Tail Area – Gold (503376)
 Tin (54552)
 Underplating – Nickel
 Operating Temperature: -40 to +105°C

DIMENSIONS

Refer to drawing for more detailed dimensions



ORDERING INFORMATION

Order No.		Mated Height (mm)	Mated Width (mm)	Circuits
Receptacle	Plug			
<u>54552</u>	<u>503376</u>	3.2 / 4.75	3.7	30, 34, 40, 50

xxx: Circuit Size

*1 Please refer to the dimension

*2 30~40 : w/Boss (Pegs) type. 50 : without Boss(Pegs), without Housing lock type.

www.molex.com/link/slimstack.html