

INTRODUCTION

The 0.70mm height and 2.60mm width of these connectors combine to offer maximum space savings for mobile device and other tight packaging applications.

These new versions offer close to 25% space savings compared to industry-standard 0.40mm pitch types, and even about 10% space savings overall when compared to versions with a lower mated height.

These connectors offer good mating retention and a click feel to confirm mating. Molex is also developing a higher-retention version for applications requiring even greater mating assurance.

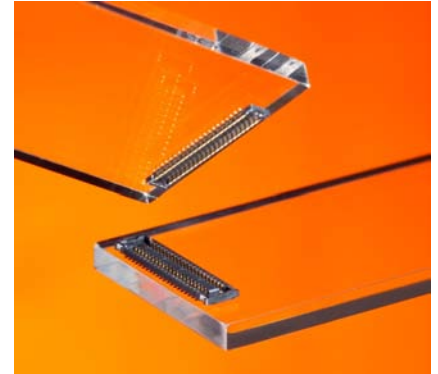
This new version also includes: a unique two-point contact system for secure electrical performance; nickel barrier plating to avoid flux intrusion; and a wide vacuum pick-and-place area.

Specifications:

- Current: 0.3A
- Voltage: 50V
- Contact Plating: Gold
- Contact Resistance: 80 milliohms max.
- Insulation Resistance: 100 megohms min.
- Dielectric Strength: 125V AC
- Operating Temperature: -40 to +85°C
- Flammability: UL 94V-0
- Durability: 30 cycles



0.40mm (.016") Pitch SlimStack™ SMT Board-to-Board Connectors, 0.70mm (0.28") Height, 2.60mm (.102") Width

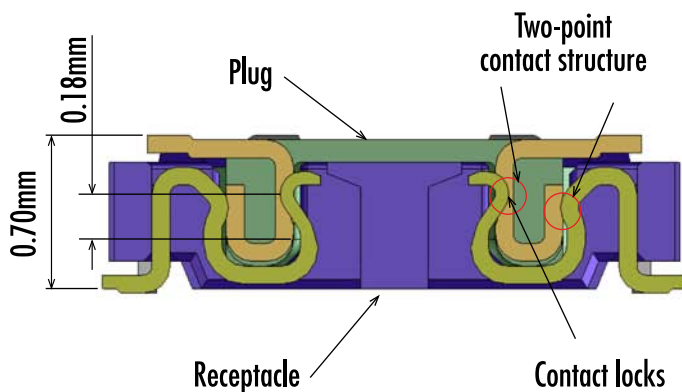


Features

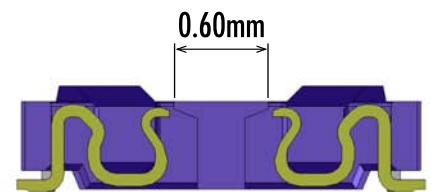
- Ultra-low-profile and narrow width
- Two-point contact design
- Low insertion and extraction forces
- Nickel-barrier plating
- Click sound and feel when mating
- Four solder tab locations

Benefits

- Space savings for tight packaging applications
- Reliable electrical performance
- Easy mating and unmating for larger circuit sizes
- Prevents solder-flux intrusion
- Provides mating assurance
- Secure PCB retention and solder joint protection

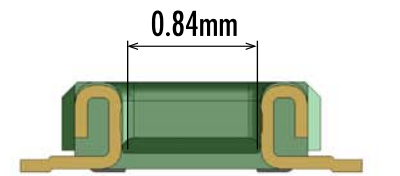


Receptacle



Reference: About 60% more vacuum space area versus Molex's 1.00mm height version (502426/502430)

Plug



Housing area provides sufficient space for vacuum nozzle; Kapton tape versions also available

MARKETS AND APPLICATIONS

- Mobile phones
- PDAs
- Digital Cameras/Camcorders
- Any application requiring maximum PCB space savings



ORDERING INFORMATION

**0.40mm (.016") Pitch
SlimStack™ SMT Board-
to-Board Connectors,
0.70mm (0.28") Height,
2.60mm (.102") Width**

Receptacle

Order Number	Circuits	Mated Height	Width
503304-2010	20	0.70mm (.028")	2.60mm (.102")
503304-3010	30		
503304-4210	42		
503304-4410	44		
503304-5010	50		

Plug

Order Number	Circuits	Mated Height	Width
503308-2010	20	0.70mm (.028")	2.60mm (.102")
503308-3010	30		
503308-4210	42		
503308-4410	44		
503308-5010	50		

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