

Strip Connectors

Aptiv's Strip Connectors, also known as board-to-board strip connectors, provide high-density interconnect in a low-profile, space-saving design. These connectors are available in multiple pitches, pin counts, and configurations for customizable PCB-to-PCB and cable-to-board applications. Standard grade for use in typical environments, Winchester's Strip Connectors are reliable and cost effective for consumer, industrial and telecom electronics.



KEY FEATURES & BENEFITS

- High Contact Density – Saves PCB space with compact, low-profile design
- Versatile Options – Multiple pitches, orientations, and mount styles available
- Cost-Effective – Optimized for high-volume, budget-sensitive applications
- Flexible Interconnects – Supports parallel, perpendicular, or coplanar mating
- Simplified Assembly – Straightforward design enables automation
- Reliable in Controlled Environments – Proven performance in standard conditions
- Low Profile – Ideal for thin device designs
- Customizable Contact Types – Choose gold or tin plating based on performance and cost needs

PRODUCT SPECIFICATIONS

Electrical Properties	
Current Rating	0.5A to 3A per contact
Voltage Rating	50 VAC to 250 VAC
Insulation Resistance	1000 MΩ min at 500 VDC
Dielectric Withstanding Voltage	300 to 1000 VAC (sea level)
Contact Resistance	20 mΩ max
Operating Frequency	Up to 3 GHz
Environmental Properties	
Operating Temperature	Up to +105°C
Storage Temperature	−40°C to +85°C
Humidity Resistance	90% RH at +40°C for 96 hrs
Thermal Shock	−40°C to +85°C (5 cycles)
Vibration	MIL-STD-202, Method 201/204
Shock	MIL-STD-202, Method 213

PRODUCT SPECIFICATIONS CONTD.

Mechanical Properties	
Mating Cycles	50 to 200 cycles
Contact Retention (Axial)	0.5 N to 1.5 N per contact
Housing Material	High-temp Thermoplastic
Contact Material	Copper Alloy
Mating Force	0.5 N to 1.5 N per contact
Unmating Force	0.3 N to 1.0 N per contact
Pitch Options	1.0mm, 1.27mm, 2.0mm, 2.54mm