

D-Sub SMT Connectors

REFLOW COMPATIBLE D-SUB CONNECTOR WITH SMT TERMINATION

Amphenol's D-Subminiature (D-Sub) connectors are part of the industry standards and are one of the most popular Input/Output interconnects, addressing a wide variety of applications including telecommunications, industrial and medical.

D-Sub connectors are now available with Surface Mount Termination (SMT) in standard form factors. The connectors use high-temperature thermoplastic that can withstand reflow soldering temperatures up to 260°C to facilitate SMT soldering. The products are UL recognized and lead-free.

- Available in standard form factors
- Meets DIN 41652 standards
- Durability of 500 mating and un-mating cycles
- Comes with different accessories to support secure connection

FEATURES

- Surface Mount Termination
- Suitable for Pick and place
- Special contact terminal design
- Proven socket contact design covering maximum area
- Unique design for riveting clinch nut to shell with foolproof torque and electrical continuity
- Meets DIN 41652 and MIL-C-24308 dimensional standards
- SMT connectors with reflow
- Eliminates traditional wave soldering



TARGET MARKETS



BENEFITS

- Compatible to reflow soldering
- Saves process time
- Provides better coplanarity
- Ensures reliable connection
- Secured grounding
- Interchangeable and intermateable with other makes
- Higher product quality and more stable process than wave soldering
- Saves overall process cost

TECHNICAL INFORMATION

MATERIAL

- Insulator: LCP 30% GF
- Contact: Copper alloy
- Grounding material: Brass

ELECTRICAL PERFORMANCE

- Maximum Current Rating: 5A at 70°C
- Contact Resistance: <25mΩ
- Rated Voltage: 300Vrms

MECHANICAL PERFORMANCE

- Retention Against Torque: 0.7Nm min.

ENVIRONMENTAL

- Operating Temperature Range: -55°C to +125°C

SPECIFICATIONS

- Durability: 500+ mating cycles

PACKAGING

- Tape & Reel

TARGET MARKETS/APPLICATIONS



Network Equipment (Server, Router, Hub, etc)
Switches
Circuit Breakers



Servo Drives
Controllers
Process Automation

PART NUMBERS

Description	Part Numbers
9P Female R/A SMT, UNC 4-40 Threaded Insert, Tray	D09S70S6PX00LF
9P Female R/A SMT, UNC 4-40 threaded insert, Tape & Reel	D09S70S6UX12LF
9P Female R/A SMT, M3 threaded insert, Tape and Reel	D09S70S6UL12LF
9P Female R/A SMT, UNC 4-40 female screw, Tape and Reel	D09S70S6UV12LF
9P Male R/A SMT Slimline, Harpoons, Standard hole, Tray	D09P71S6GA00LF
9P Male R/A SMT Slimline, Harpoons, Standard hole, Tape & Reel	D09P71S6GA12LF
9P Male R/A SMT Slimline, Harpoons, UNC 4-40 Threaded insert, Tape & Reel	D09P71S6GX12LF
9P Male R/A SMT Slimline, Harpoons, M3 Threaded insert, Tape & Reel	D09P71S6GL12LF

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