

## D-Sub SMT Connectors

### RE-FLOW 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: 200 and 500 mating / un-mating cycles
- Comes with different accessories to support secure connection



#### TARGET MARKETS



#### 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

#### 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

- 200 and 500 mating / un-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
D-Sub SMT, 09 Pos, Socket, Tape & Reel , UNC 4-40 Clinch Nut	D09S70S4UX12LF
D-Sub SMT, 09 Pos, Socket, Tape & Reel, UNC 4-40 FS	D09S70S4UV12LF
D-Sub SMT, 09 Pos, Socket, Tape & Reel, M3 Clinch Nut	D09S70S4UL12LF
D-Sub SMT, 09 Pos, Socket, Tape & Reel, M3 Clinch Nut	D09S70S6UL12LF
D-Sub SMT, 09 Pos, PIN, Tape & Reel, UNC 4-40 Clinch Nut	D09P70S6UX12LF
D-Sub SMT, 09 Pos, PIN, Tape & Reel, M3 Clinch Nut	D09P70S6UL12LF
D-Sub SMT, 09 Pos, PIN, Tape & Reel, UNC 4-40 Clinch Nut	D09P70S4UX12LF
D-Sub SMT, 09 Pos, PIN, Tape & Reel, UNC 4-40 FS	D09P70S4UV12LF
D-Sub SMT, 09 Pos, PIN, Tape & Reel, M3 Clinch Nut	D09P70S4UL12LF