

## D-Sub Slimline

### ULTRA SLIM D-SUB CONNECTORS

Amphenol has expanded the D-Sub connectors with a modified ultra slim body with contact alignment in a single row. These are available both in SMT termination suitable for re-flow soldering and solder tail version for standard wave soldering. These connectors also feature solderable retention pegs that absorb vibration.

- Ultra slim design saves space
- Automated assembly saves overall process costs
- Better co-planarity ensures higher quality
- Solderable retention pegs absorb vibration
- More seating area of contact surface ensures firm soldering



#### TARGET MARKETS



#### FEATURES

- Ultra slim design with single row contacts
- Larger seating area of contact surface to SMT PAD compared to other products
- Co-planarity can be controlled during assembly itself
- Solderable retention pegs
- Unique design for riveting clinch nut to shell with fool proof torque and electrical continuity
- Extra cover to hold contact firm to housing
- SMT connector comes in Tape & Reel packaging
- Mating interface follows DIN 41652 and MIL-C-24308 dimensional standards

#### BENEFITS

- Saves 66% of PCB board space
- Contact of size 0.45 x 1.4 with firm soldering support
- Ensures better product quality
- Absorb vibration
- Secured grounding
- Strong retention between housing and contact
- Support automated assembly and saves process time
- Intermateable with standard connectors

## TECHNICAL INFORMATION

### MATERIAL

- Insulator: LCP 30% GF
- Contact: Copper Alloy
- Grounding Material: Brass

### ELECTRICAL PERFORMANCE

- Maximum Current Rating: 5A for SMT version
- Contact Resistance: <25mΩ
- Rated Voltage: 300V.rms

### MECHANICAL PERFORMANCE

- Retention Against Torque: 0.7NM min.
- Insulation Resistance: >5000mΩ
- Creepage & Clearance Length: >1mm

### ENVIRONMENTAL

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

### APPROVALS & CERTIFICATION

- UL (pending)






### SPECIFICATIONS

- Durability:
  - 500+ mating cycles for SMT version
  - 200 mating cycles for solder tail version

### PACKAGING

- Tape & Reel for SMT version
- Tray for solder tail version

### TARGET MARKETS/APPLICATIONS

-  Server Switches
-  Smart TV  
Smart Meter
-  Router  
Power Supply
-  Servo Drives  
Controllers
-  Scanner  
Ventilator

## PART NUMBERS

| Description   | Part Numbers    |
|---|-----------------|
| 9 pin Male R/A SMT Slimline, Harpoons, Standard hole, Tray                      | D09P71S6GA00LF  |
| 9 pin Male R/A SMT Slimline, Harpoons, Standard hole, Tape & Reel               | D09P71S6GA12LF  |
| 9 pin Male R/A SMT Slimline, Harpoons, UNC 4-40 Threaded insert, Tape & Reel    | D09P71S6GX12LF  |
| 9 pin Male R/A SMT Slimline, Harpoons, M3 Threaded insert, Tape & Reel          | D09P71S6GL12LF  |
| 9 pin Male R/A Slimline solder tail, Harpoons, UNC 4-40 Threaded insert, Tray   | D09P71T4GX198LF |
| 9 pin Female R/A Slimline solder tail, Harpoons, UNC 4-40 Threaded insert, Tray | D09S71T4GX198LF |