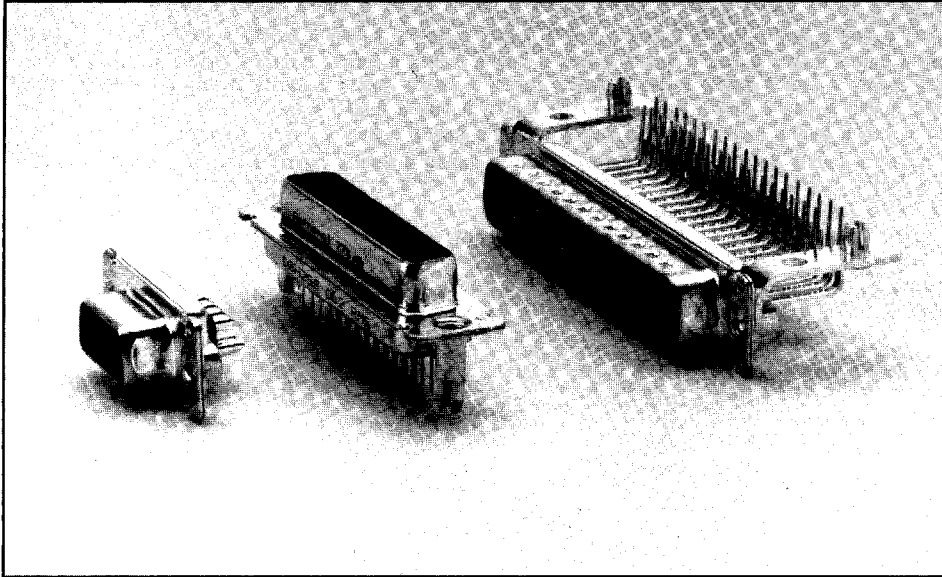


**AMPHENOL D-SUBMINIATURE  
FIXED PRECISION FORMED CONTACT CONNECTOR**

**17 SD SERIES**



Amphenol's 17SD series is a low cost member of the fixed contact family.

The 17SD connector features precision formed contacts available in a broad range of solder terminations. This series gives you Amphenol's high standards of quality and reliability to meet all of your commercial requirements.

Filter connectors available - contact factory.

**SPECIFICATIONS:**

**Temperature Range:**

-55° C to +105° C

**Voltage Rating:**

300 V RMS to 50 Hz

**Current Rating:**

7.5 amps

**Dielectric:**

Two-piece black thermoplastic UL 94 VO

**Insulation Resistance:**

> 5000 megaohms

**Shells:**

Steel/tin-plated, grounding indents on plug front shell or zinc/yellow chromate

**Dielectric Withstanding Voltage:**

> 1000 V RMS to 50 Hz

**Contacts:**

Precision formed copper alloy

**Contact Plating:**

Gold over nickel

**Mating Cycles:**

100

**Insertion Force per Contact:**

1.2 N < F < 2.5 N

**Contact Resistance:**

< 5 milliohms

**Contact Arrangements:**

See page 65

**Panel Cutouts and Mounting:**

See pages 63 - 64

**ORDERING INFORMATION:**

**17SD - X - X - XX - X - XXXX**

**Contact & Shell Plating Prefix**

Contact Plating	Shell Plating		
	Yellow Chromate	Tinned	Tinned & Indents*
.000010" gold over nickel	<b>17SD</b>	77SD	717SD
.000020" gold over nickel	117SD	177SD	777SD

\*plug only

**Shell Size**

- E (9 contacts)
- A (15 contacts)
- B (25 contacts)
- C (37 contacts)
- D (50 contacts)

<b>Code</b>	<b>Contact Type</b>
P	Pin (male)
S	Socket (female)

**Number of Contacts**  
9, 15, 25, 37, 50

<b>Code</b>	<b>Mounting Type</b>
Blank	.122 (3.1) dia. mounting holes
*F	Float bushings (front or rear mount)
*G	M3 rear clinch nut
*H	#4-40 rear clinch nut

<b>Code</b>	<b>Termination</b>
Blank	Solder cup
T	<b>Straight board mount</b>
OL2	<b>Straight board mount</b>
AJ4	Right angle board mount
AM4	Right angle board mount
AM4B	Right angle board mount
1AON	Right angle board mount
1AMN	Right angle board mount
1APN	Right angle board mount
1ATN	Right angle board mount
1AUN	Right angle board mount

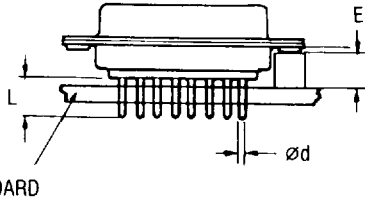
See next page for dimensions.

\*Not available in solder-cup termination versions.

**AMPHENOL D-SUBMINIATURE  
FIXED PRECISION FORMED CONTACT CONNECTOR**

**17 SD SERIES**

**Straight Printed Circuit Terminations**

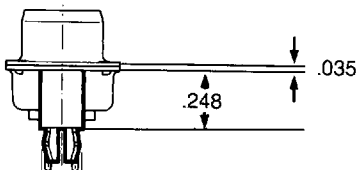


Termination	Ø d	L	E
T	.024 (0.60)	.157 (4.0)	.185 (4.7)
OL2	.024 (0.60)	.217 (5.5)	.240 (6.1)

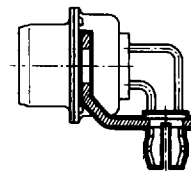
Notes: Standoff "E" not included. Use OL2 termination if boardlock is required.

Right Angle PC Board Terminations	Code	PC Tail Diameter inches (mm)	Mounting Options
<p>figure 1 .283 Footprint</p>	AJ4 AM4	.024 (0.60) .024 (0.60)	with plastic bracket with metal bracket  Note: .318" footprint also available in 617 Series (p. 10)
<p>figure 2 .370 Footprint</p>	1AON 1AMN 1APN 1ATN 1AUN	.024 (0.60) .024 (0.60) .024 (0.60) .024 (0.60) .024 (0.60)	without bracket with riveted metal bracket with riveted plastic bracket with metal bracket and non-removable 4-40 front clinch nut with plastic bracket and non-removable 4-40 front clinch nut
<p>figure 3 .545 Footprint</p>	AM4B	.024 (0.60)	with metal bracket  Note: .590" footprint also available in 617 Series (p.10)

**Grounding Tab/Boardlock Options**



**RM5** Add suffix (RM5) for boardlock/grounding tab for 4-40 clinch nut. This option is available only on straight PC board-mount connectors with tin-plated shells and OL2 terminations.  
Ex: 77SDCH37S-OL2 (RM5)  
717SDAH15P-OL2 (RM5)



**RM6** Add suffix (RM6) for boardlock/grounding tab for 4-40 clinch nut. This option is available only on right-angle PC board-mount connectors with tin-plated shells and metal brackets.  
Ex: 77SDBH25SAM4 (RM6)  
717SDBH25PAM4 (RM6)