

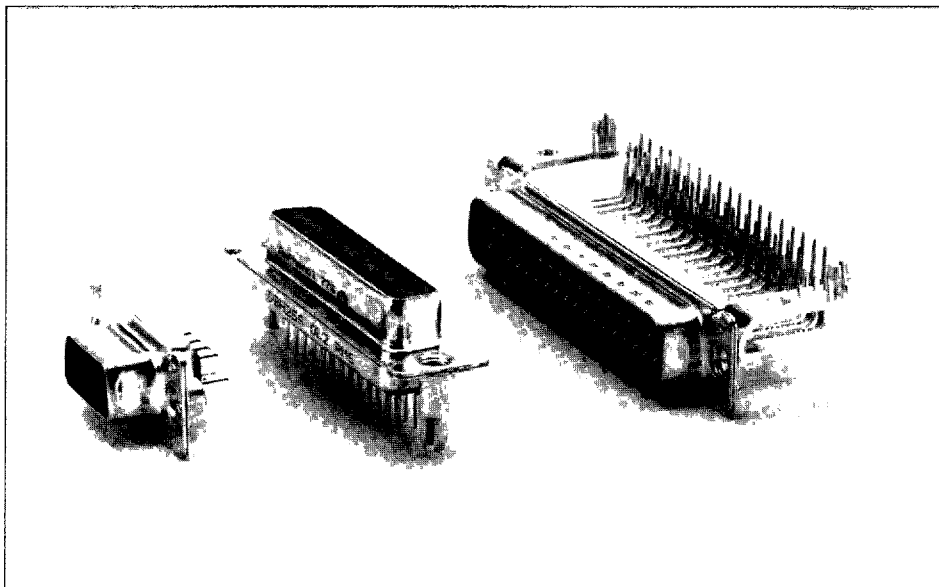
# AMPHENOL D-SUBMINIATURE FIXED PRECISION FORMED CONTACT CONNECTOR

17SD SERIES

Amphenol's 17SD series is the lowest 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 50Hz

**Current Rating:**  
7.5 Amph

**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:**  
> 1000V RMS to 50Hz

**DIMENSIONS:**  
See page 47

**Contacts:**  
Precision formed copper alloy

**Contact Plating:**  
Gold over Nickel

**Insertion Force:**  
4.3 oz. < F < 9.0 oz. per contact

**Contact Resistance:**  
< 5 milliohms

## ORDERING INFORMATION:

**17SD - A - X - 15 - P - XXXX**

Contact & Shell Plating Prefix

Contact Plating	Shell Plating		
	Yellow Chromate	Tinned	Tinned & Indents*
000010* gold over nickel	17SD	77SD	717SD
000020* gold over nickel	117SD	177SD	777SD

\*plug only

Shell Size

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

**Code**  
P Pin  
S Socket

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

**Mounting Type**

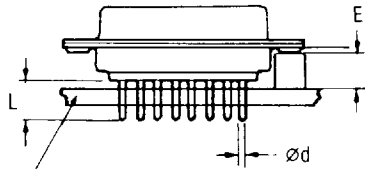
Blank 122 (3.1) dia mounting holes  
F float bushings (front or rear mount)  
G M3 rear clinch nut  
H #4-40 rear clinch nut  
K 165 (4.2) dia mounting holes

**Code**  
Blank solder cup  
T straight pc (see next page)  
OL2 straight pc (see next page)  
AJ4 right angle pc (see next page)  
AM4 right angle pc (see next page)  
AM4B right angle pc (see next page)  
1AON right angle pc (see next page)  
1AMN right angle pc (see next page)  
1APN right angle pc (see next page)  
1ATN right angle pc (see next page)  
1AUN right angle pc (see next page)

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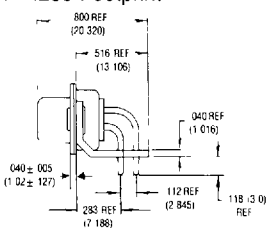
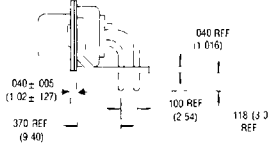
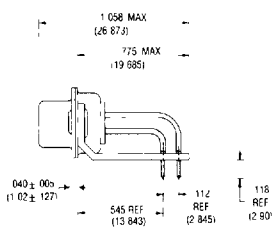
## Printed Circuit Terminations



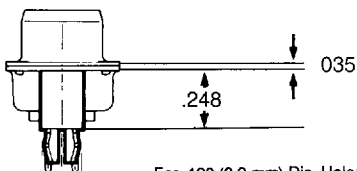
PC BOARD

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)

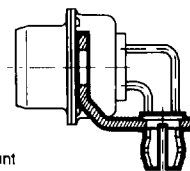
## Right Angle Printed Circuit Terminations

TERMINATION	CODE	PC TAIL DIA. Inches (mm)	DESCRIPTION OF MOUNTING OPTIONS
figure 1 	AJ4 AM4	.024 (0.60) .024 (0.60)	with plastic bracket with metal bracket  Note: Also see 617 series (.318 foot print) on page #13.
figure 2 	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
figure 3 	AM4B	.024 (0.60)	with metal bracket  Note: Also see 617 series (.590 foot print) on page #13.

## Grounding Tab Options



For .120 (3,2 mm) Dia. Hole: Add Suffix "(RM5)" for Straight P.C. Mount  
For Tin-Plated Shells Only  
Must be ordered with "OL2" termination:  
77SDXXXS-OL2 (RM5)  
717SDXXXP-OL2 (RM5)

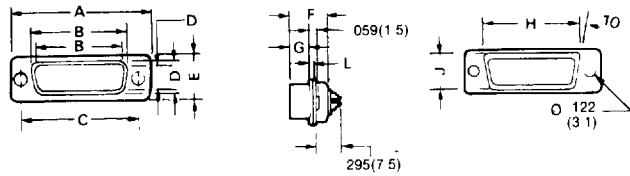


For .120 (3,2 mm) Dia. Hole:  
Add Suffix "(RM6)" for Right Angle P.C. Mount  
For Tin-Plated Shells & Metal Bracket Only  
77SD or 717SD Prefix

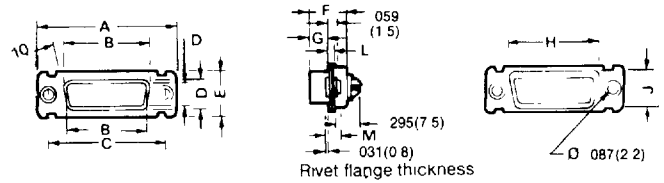
# AMPHENOL D-SUBMINIATURE DIMENSIONS

17 SERIES

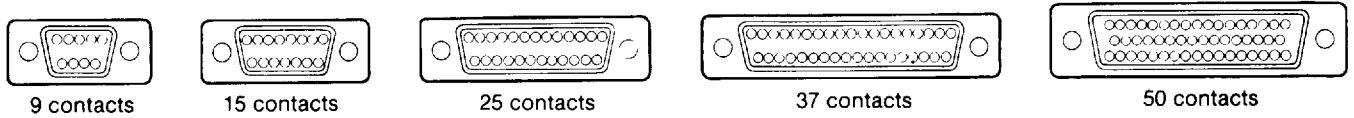
Rigid mount



Float mount



## Contact Arrangements



Shells	Contacts	A	B (S)	B (P)	C	D (S)	D (P)	E	F (S)	F (P)	G (S)	G (P)	H	J	L	M
E (9)	P	1 209 (30 7)		661 (16 80)	984 (24 99)		318 (8 1)	488 (12 4)		407 (10 34)		233 (5 94)	767 (19 5)	433 (11)	.039 (1)	129 (3 3)
	S		642 (16 3)			307 (7 8)			416 (10 57)		242 (6 17)					
A (15)	P	1 535 (39)		989 (25 12)	1,311 (33 32)		318 (8 1)	488 (12 4)		407 (10 34)		233 (5 94)	1 098 (27.9)	433 (11)	039 (1)	129 (3.3)
	S		970 (24 65)			307 (7 8)			416 (10 57)		242 (6 17)					
B (25)	P	2 083 (52 9)		1 529 (38 84)	1 851 (47.04)		318 (8 1)	488 (12 4)		403 (10 34)		229 (5 84)	1 637 (41 6)	433 (11)	039 (1)	129 (3 3)
	S		1 510 (38.35)			307 (7 8)			416 (10 57)		242 (6 17)					
C (37)	P	2.724 (69 2)		2.177 (55 30)	2 500 (63 50)		318 (8.1)	488 (12 4)		403 (10 34)		229 (5 84)	2 283 (58)	433 (11)	039 (1)	129 (3 3)
	S		2 157 (54 8)			307 (7 8)			416 (10 57)		242 (6.17)					
D (50)	P	2 630 (66 8)		2 074 (52 68)	2 405 (61 11)		425 (10 8)	600 (15 25)		403 (10 24)		229 (5 84)	2 188 (55.6)	543 (13.8)	039 (1)	129 (3.3)
	S		2,063 (52 4)			419 (10.65)			416 (10 57)		242 (6.17)					