

Amphenol's 17D and 117DF series fixed contact D-subminiature connector is suitable for commercial or industrial use. The machined contacts provide stability and reliability.

This series offers the broadest range of termination options in the Amphenol line.

Filter connectors are available - contact factory.

SPECIFICATIONS:

Temperature Range:
-55° C to +105° C

Voltage Rating:
300 V RMS to 50 Hz

Current Rating:
7.5 amps

Mating Cycles:
17D: 100 minimum
117DF: 500 minimum

Wire Size:
20 AWG

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

Dielectric:
Two-piece black thermoplastic UL 94 VO

Dielectric Withstanding Voltage:
> 1000 V RMS to 50 Hz

Contacts:
17D: Male and female: screw-machined brass
117DF: Male: screw-machined brass
Female: screw-machined phosphor bronze

Contact Plating:
Gold over nickel

Insertion Force per Contact:
1.2 N < F < 2.5 N

Contact Resistance:
< 5 milliohms

Insulation Resistance:
> 5000 megaohms

Contact Arrangements:
See page 65

Panel Cutouts and Mounting:
See pages 63 - 64

ORDERING INFORMATION:

17D - X - X - XX - X - XXXX

Contact & Shell Plating Prefix		Shell Plating			Code	Termination
Contact Plating	Yellow Chromate	Tinned	Tinned & Indents*			
.000010" gold over nickel	17D	77D	717D		Blank	Solder cup
.000030" gold over nickel	117DF	177DF	777DF		T	Straight board mount

*plug only

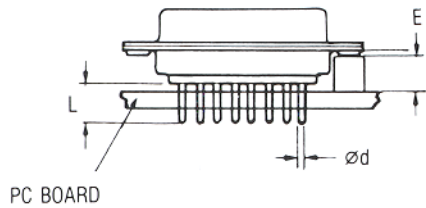
Shell Size	Code	Mounting Type
E (9 contacts)	Blank	.122 (3.1) dia. mounting holes
A (15 contacts)	F	Float bushings (front or rear mount)
B (25 contacts)	G	M3 rear clinch nut
C (37 contacts)	H	#4-40 rear clinch nut

Code	Contact Type	Number of Contacts
P	Pin (male)	9, 15, 25, 37, 50
S	Socket (female)	

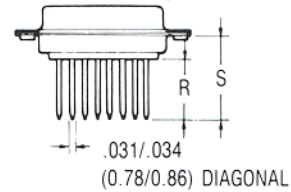
Code	Termination
U	Straight board mount
V	Straight board mount
OL2	Straight board mount
A	Right angle board mount
C	Right angle board mount
AJ3	Right angle board mount
A4	Right angle board mount
AJ4	Right angle board mount
AM4	Right angle board mount
AM4B	Right angle board mount
1AON	Right angle board mount
1AMN	Right angle board mount
1APN	Right angle board mount
1ATN	Right angle board mount
1AUN	Right angle board mount
F179	Wire wrap (2 wrap)
F179A	Wire wrap (3 wrap)

See next page for dimensions.

Straight Printed Circuit Terminations



Wire Wrap Terminations



Termination	Ø d	L	E
U	.024 (0.60)	.124 (3.2)	.185 (4.7)
V	.040 (1.02)	.093 (2.36)	.185 (4.7)
T	.024 (0.60)	.157 (4.0)	.185 (4.7)
OL2	.024 (0.60)	.217 (5.5)	.240 (6.1)

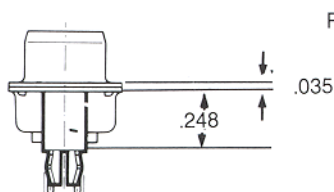
Termination Code	Number of Wraps	R	S
F179	2	.378 (9.6)	.591 (15)
F179A	3	.512 (13)	.709 (18)

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

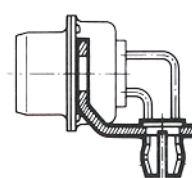
Right Angle PC Board Terminations

Code	PC Tail Diameter inches (mm)	Mounting Options
figure 1 .283 Footprint (.318)		
A	.040 (1.02)	with metal bracket
C	.040 (1.02)	without bracket
AJ3	.040 (1.02)	with plastic bracket
A4	.024 (0.60)	without bracket
AJ4	.024 (0.60)	with plastic bracket
AM4	.024 (0.60)	with metal bracket
Note: .318" footprint also available in 617 Series (p. 10)		
figure 2 .370 Footprint (.410)		
1AON	.024 (0.60)	without bracket
1AMN	.024 (0.60)	with riveted metal bracket
1APN	.024 (0.60)	with riveted plastic bracket
1ATN	.024 (0.60)	with metal bracket and non-removable 4-40 front clinch nut
1AUN	.024 (0.60)	with plastic bracket and non-removable 4-40 front clinch nut
figure 3 .545 Footprint (.590)		
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: 77DCH37S-OL2 (RM5)
717DAH15P-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: 77DBH25SAM4 (RM6)
717DBH25PAM4 (RM6)