

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

Contact Plating	Shell Plating		
	Yellow Chromate	Tinned	Tinned & Indents*
.000010" gold over nickel	17D	77D	717D
.000030" gold over nickel	117DF	177DF	777DF

*plug only

Shell Size

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

Code

P Pin (male)
S Socket (female)

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

Code

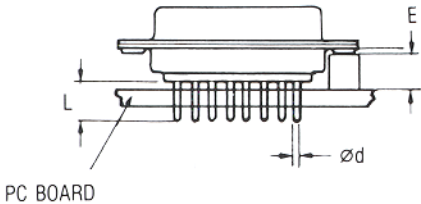
Blank .122 (3.1) dia. mounting holes
F Float bushings (front or rear mount)
G M3 rear clinch nut
H #4-40 rear clinch nut

Code

Blank Solder cup
T Straight board mount
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)**

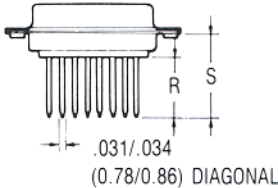
See next page for dimensions.

Straight Printed Circuit Terminations



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)

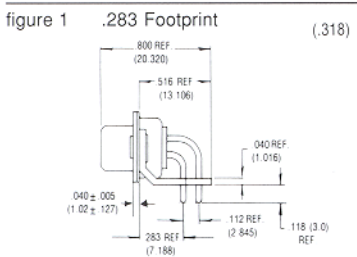
Wire Wrap Terminations



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

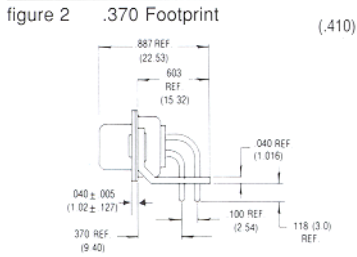


Code	PC Tail Diameter inches (mm)
A	.040 (1.02)
C	.040 (1.02)
AJ3	.040 (1.02)
A4	.024 (0.60)
AJ4	.024 (0.60)
AM4	.024 (0.60)

Mounting Options

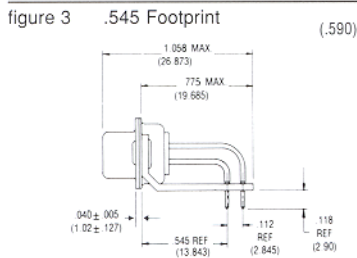
with metal bracket
without bracket
with plastic bracket
without bracket
with plastic bracket
with metal bracket

Note: .318" footprint also available in 617 Series (p. 10)



1AON	.024 (0.60)
1AMN	.024 (0.60)
1APN	.024 (0.60)
1ATN	.024 (0.60)
1AUN	.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

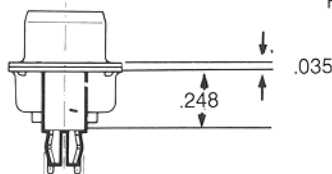


AM4B	.024 (0.60)
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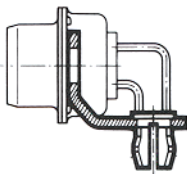
with metal bracket

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)

Mouser Electronics

Authorized Distributor

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