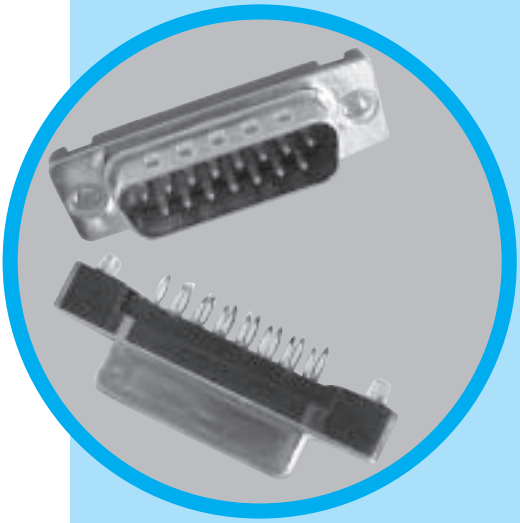
TF

D-Sub connectors - Stamped and Formed Contacts

PRESS FIT
STRAIGHT PCB TERMINATION



CHARACTERISTICS

Materials and Platings	
Shells	Steel, tin plated
Insulator	Glass-filled thermoplastic, UL 94V-0
Pin contact	Brass, selected gold in mating area; 2.54µm (100µ") min. tin on termination area over 1.27µm (50µ") min.nickel
Socket contact	Phosphor bronze, selected gold in mating area; 2.54µm (100µ") min. tin on termination area over; 1.27µm(50µ") min. nickel
Rear insert	Brass, 2.54µm (100µ") min. nickel plated
Boardlock	Brass, 2.54µm (100µ") min. nickel plated
Screwlock	Brass, 2.54µm (100µ") min. nickel plated

Electrical Data	
Current rating	3A
Voltage rating	300V AC
Withstanding voltage	1000V AC/rms 60Hz for one minute
Insulation resistance	1000MΩ
Contact resistance	25mΩ max

Climatic Data	
Operating temperature	-55°C to +125°C
Salt spray	24 hours

Mechanical Data	
Single contact insertion force	≤ 3.60 N
Single contact withdrawal force	≥ 0.2 N
Single contact insertion on board	≤ 100 N
Single contact withdrawal from board	≥ 20 N
Standard plating thickness	Gold flash 0.4µm (15µ") gold 0.76µm (30µ") gold

	Terminal Specification	Boardlock Specification
Finished Hole	1 (+0.09 -0.06)	3.1 +/- 0.05 mm
Cu	> 25 µm	Min 25 µm
Sn	< 15 µm	5-15 µm

DESCRIPTION

The Amphenol "TF" series features eye of needle formed contacts, and insulator with closed entry contacts cavities.

This series gives you Amphenol's high standards of quality and reliability to meet all your technical requirements.

Solderless straight PCB mount connectors

APPLICATIONS

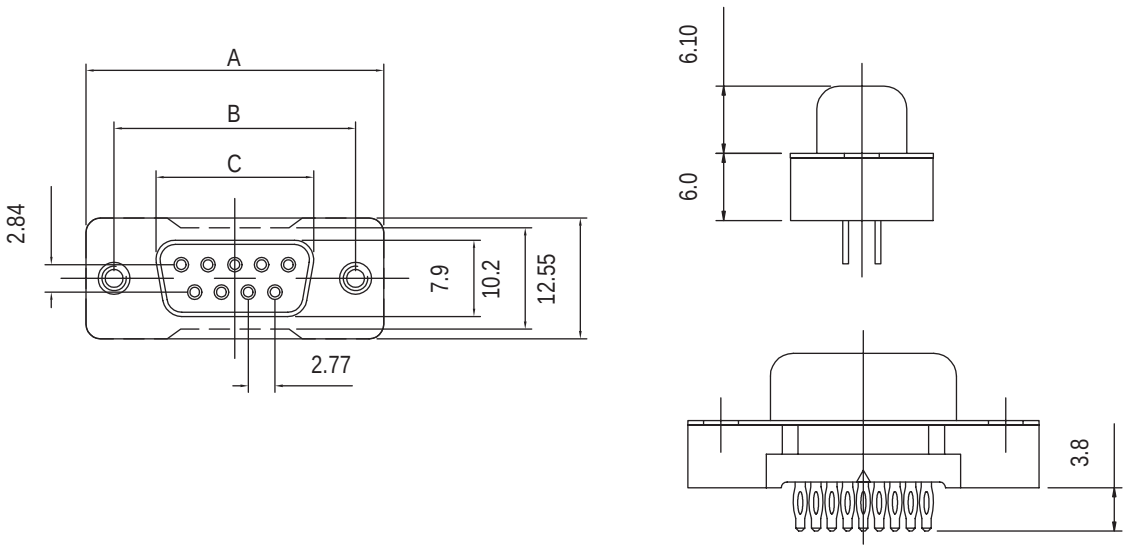
- Industrial
- Telecom
- Any backplanes connections

TF / E4

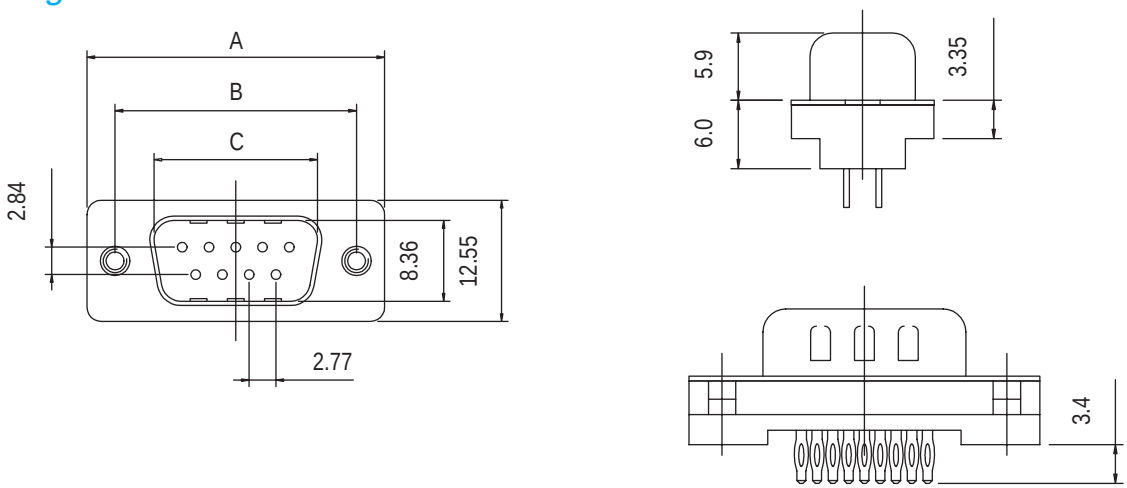
Amphenol RoHS Compliant EU 2002/95/EC

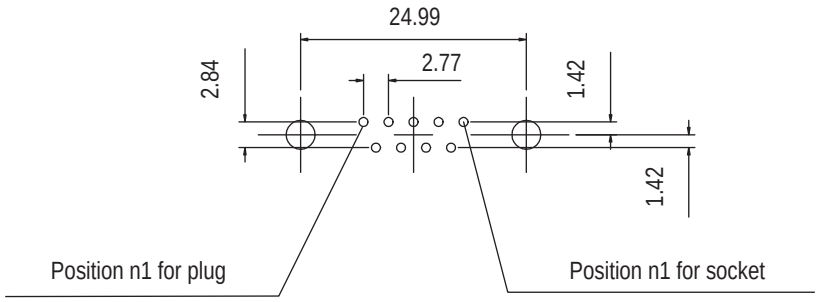
Amphenol

Socket version



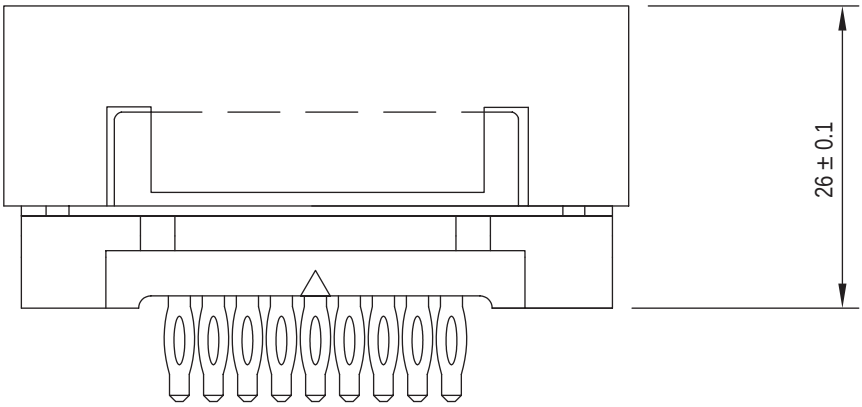
Plug version



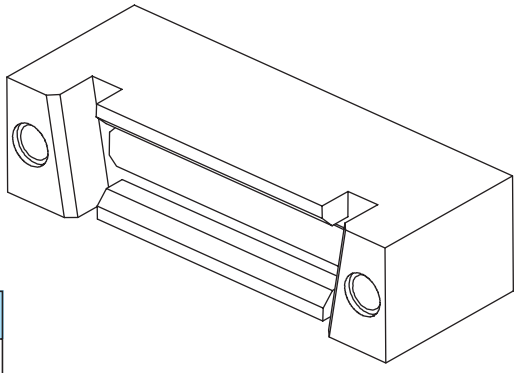


For PCB holes diameters, see on page 1 (finished holes)

Nb OF CONTACTS	DIMENSIONS mm (inch)			
	A	B	C plug	C socket
9	30.81 (1.185)	24.99 (0.984)	16.92 (0.666)	16.33 (0.643)
15	39.14 (1.54)	33.32 (1.312)	25.50 (1.004)	24.66 (0.97)
25	53.04 (2.088)	47.04 (1.852)	28.96 (1.534)	38.38 (1.511)
37	69.32 (2.729)	63.50 (2.5)	55.42 (2.182)	54.84 (2.16)

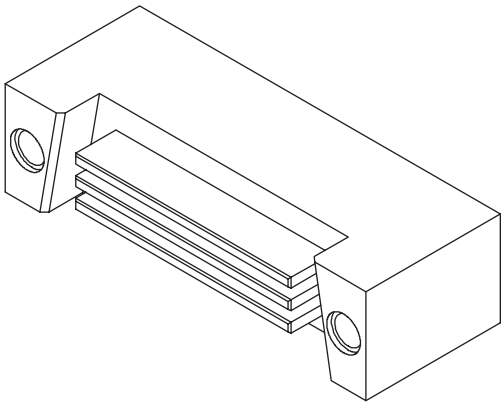


Female



Size of connectors	Tooling PN
9	981 MC
15	982 MC
25	983 MC
37	984 MC

Male

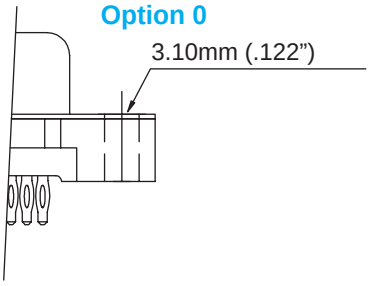


Size of connectors	Tooling PN
9	985 MC
15	986 MC
25	987 MC
37	988 MC

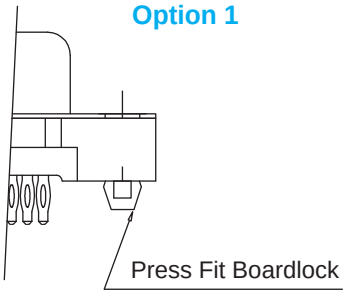
NOTES

Board mounting option

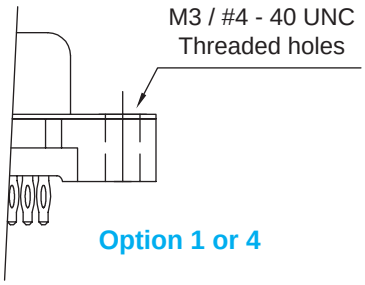
Option 0



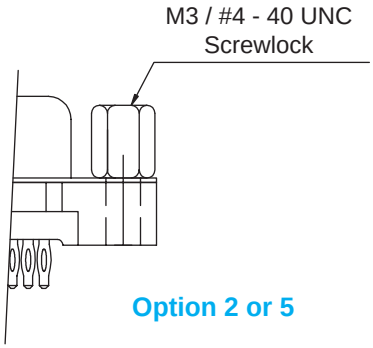
Option 1



Flange mounting option



Option 1 or 4



Option 2 or 5

How to order

L 17TF ... ...

RoHS Compliant

Series

Number of contacts :
09-15-25-37

Contact type:
1 = pin
0 = socket

Contact plating
0 = gold flash
1 = 0.4 µm (15µ")
2 = 0.76 µm (30µ")

Flange mounting option :
1 = #4-40 threaded hole
2 = #4-40 threaded hole with #4-40 UNC screwlock installed
4 = M3 threaded hole
5 = M3 threaded hole with M3 scewlock installed

Board mounting option
0 = without boardlock
1 = with boardlock

Front shell plating
1 = tin over nickel

Do not hesitate to contact us for further information

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