

# TF

D-Sub connectors - Stamped and Formed Contacts

## PRESS FIT STRAIGHT PCB TERMINATION

UL File: E232356

CHARACTERISTICS

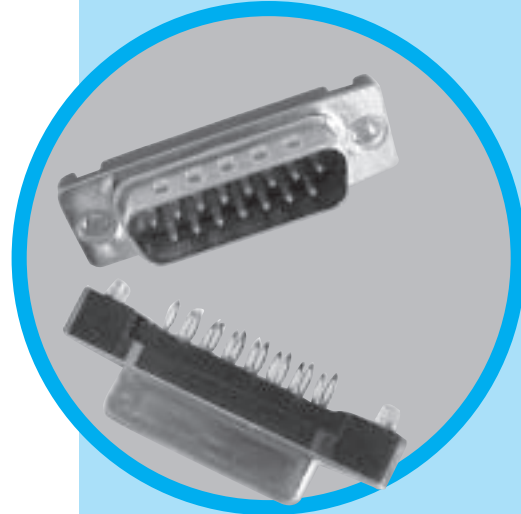
Materials and Platings	
<b>Shells</b>	Steel, tin plated
<b>Insulator</b>	Glass-filled thermoplastic, UL 94V-0
<b>Contacts</b>	Brass, selected gold in mating area; 2.54µm (100µ") min. tin on termination area over 1.27µm (50µ") min. nickel
<b>Rear inserts</b>	Brass, 2.54µm (100µ") min. nickel plated
<b>Boardlocks</b>	Brass, 2.54µm (100µ") min. tin over 1.27µm (50µ") min. nickel plated
<b>Screwlocks</b>	Brass, 2.54µm (100µ") min. nickel plated

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

Climatic Data	
<b>Operating temperature</b>	-55°C to +125°C
<b>Salt spray</b>	24 hours

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

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

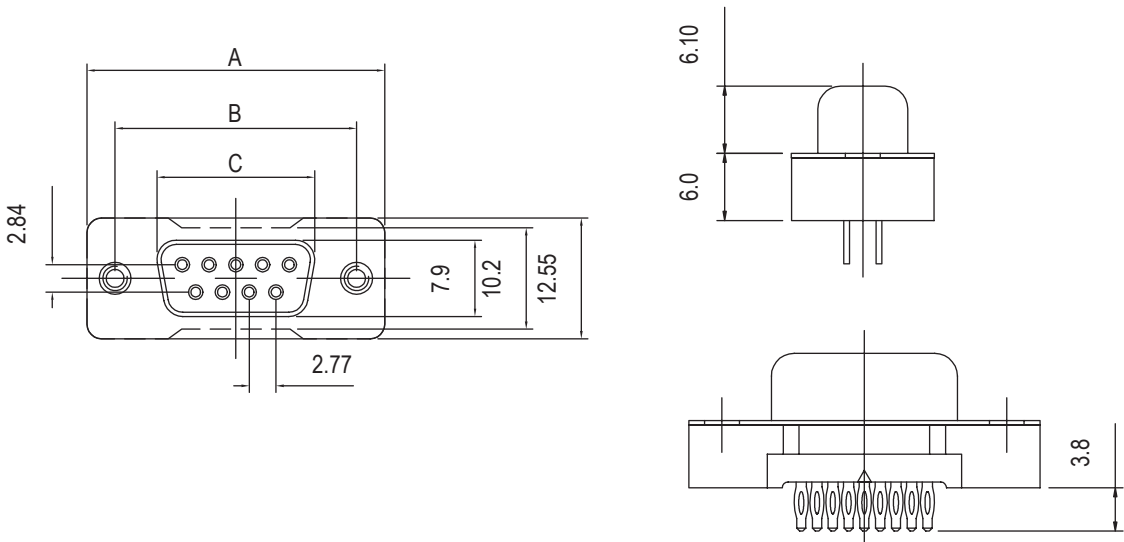
- Industrial
- Telecom
- Any backplanes connections



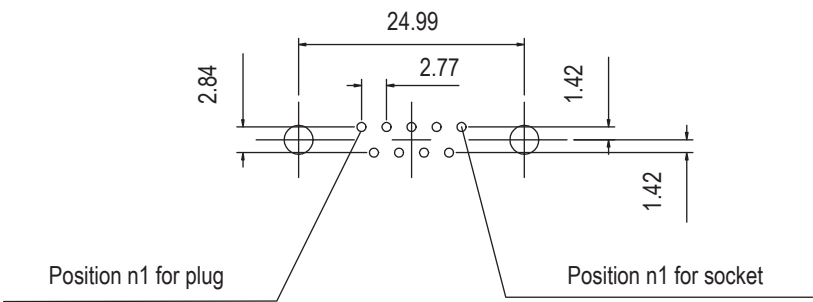
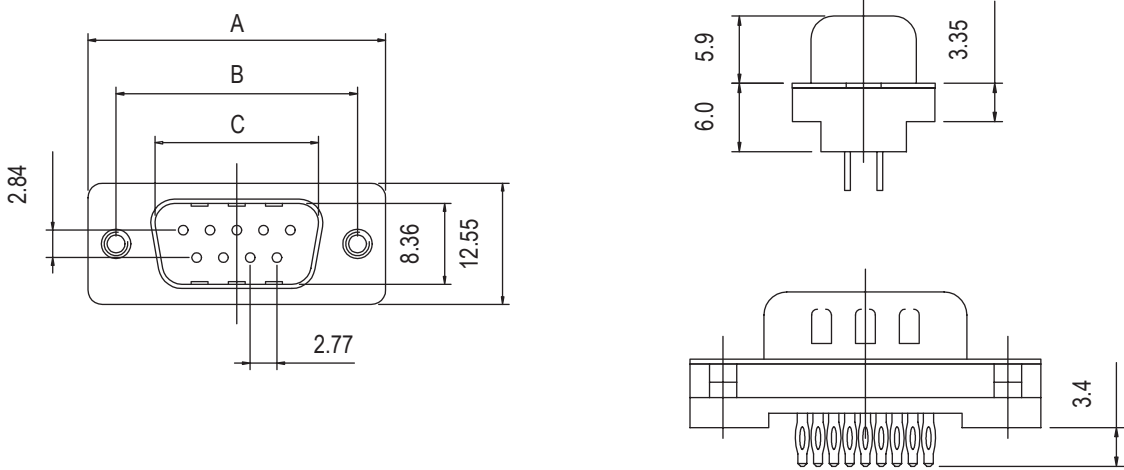
**Amphenol**

TF / E4

Socket version

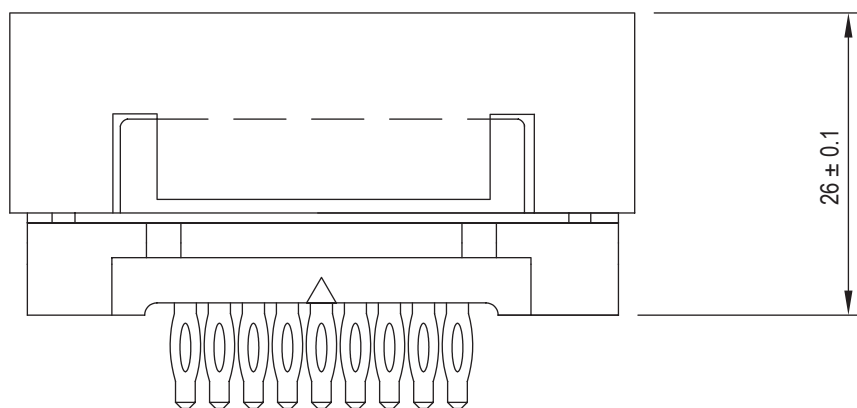


Plug version

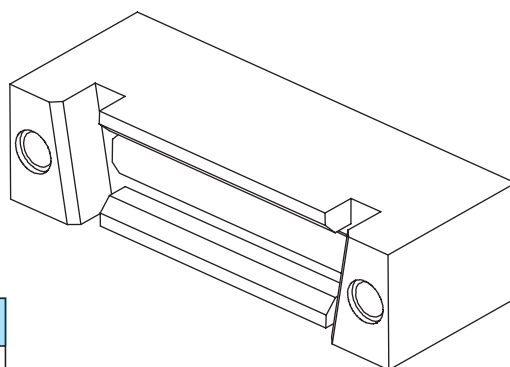


For PCB holes diameters, see on page 1 (finished holes)

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)

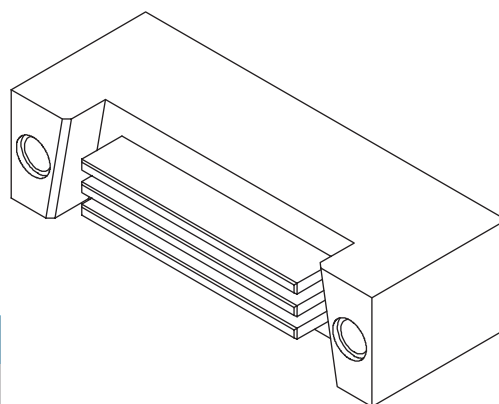


### Female



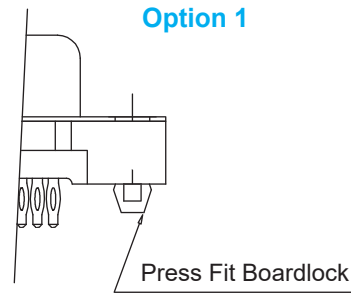
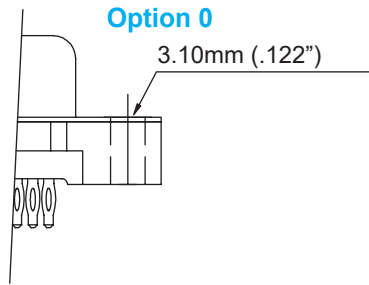
Size of connectors	Tooling PN
9	981 MC
15	982 MC
25	983 MC
37	984 MC

### Male

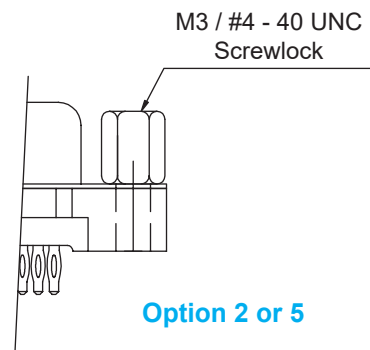
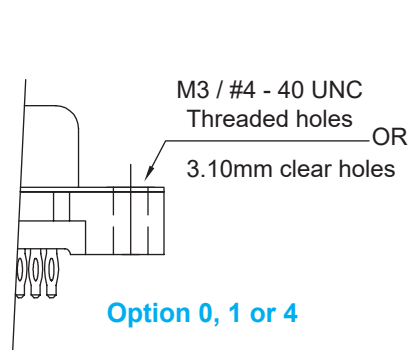


Size of connectors	Tooling PN
9	985 MC
15	986 MC
25	987 MC
37	988 MC

## Board mounting option



## Flange mounting option



## 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 : 0 = 3.10mm clear hole 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 screwlock 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

# Amphenol

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Info-dsub@amphenol.com.cn  
<http://www.dsubconnector.com>

# Mouser Electronics

Authorized Distributor

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## Amphenol:

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