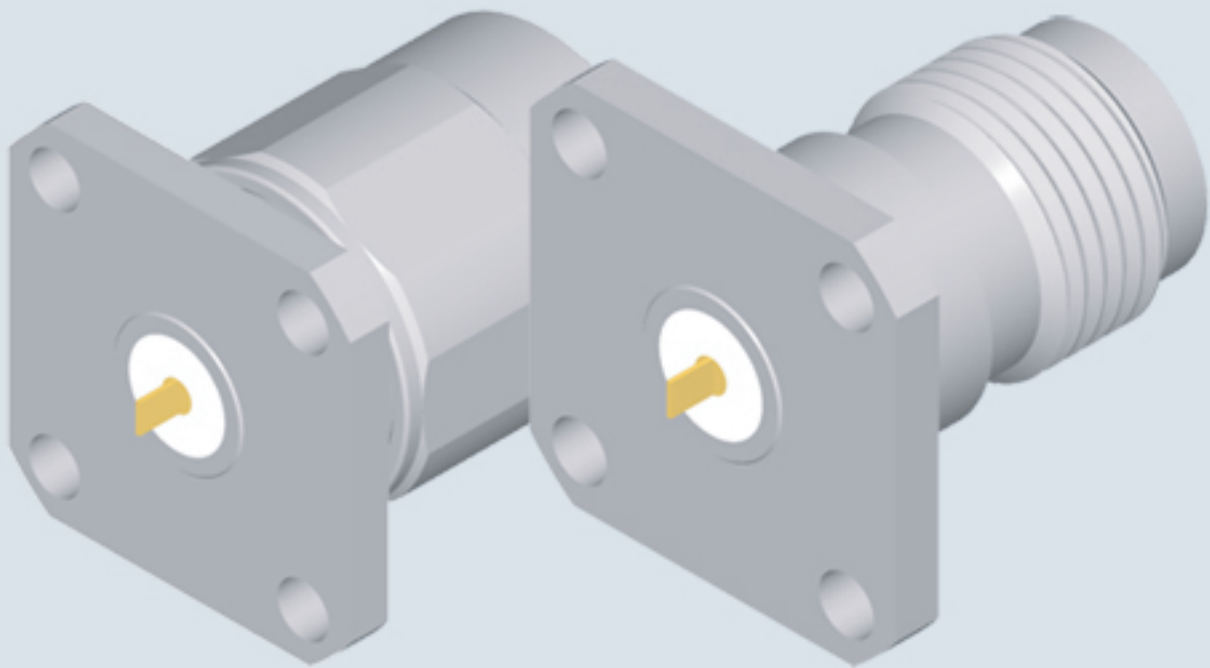


... A Vital Part of Connection World



Receptacles With Accepts Pin

Receptacles With Tap



TNCA CONNECTORS

DESCRIPTION

TNC are miniature, threaded weatherproof units with a constant 50 Ω impedance and they operate from 0 - 11 GHz. TNC connectors are commonly used for microwave and RF applications requiring higher average peak power handling and good electrical performance. The standard TNC interface utilizes an overlapping PTFE dielectric for increased voltage breakdown resistance. We offer the new type of TNCA frequency up to 18GHz, it also can be for low loss flexible cable, receptacles and precision adapter.

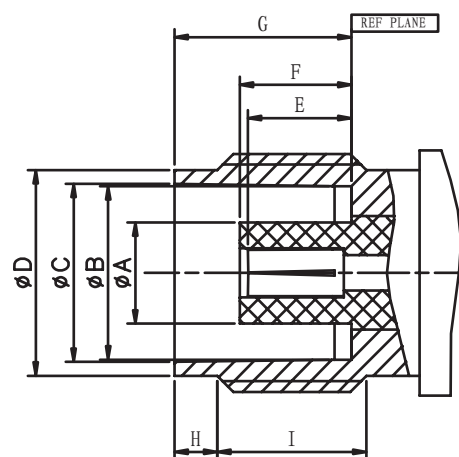
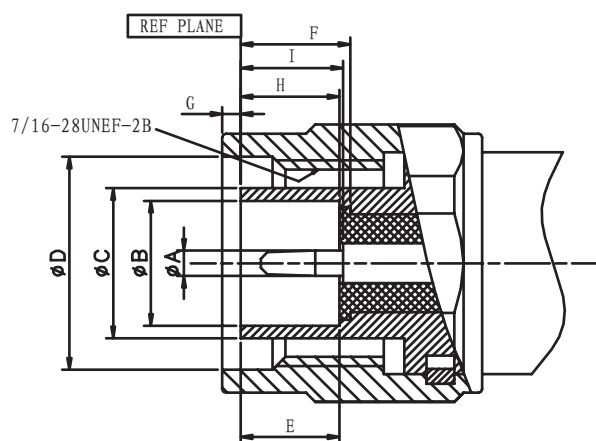
TNCA Design Features

- Excellent performance up to 18GHz
- Low VSWR and insertion loss
- Rugged construction for reliability

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TNCA INTERFACE



TNCA Male				
	mm		Inch	
	Min	Max	Min	Max
A	1.32	1.37	0.052	0.054
B	6.05	6.15	0.238	0.242
C	7.98	8.08	0.314	0.318
D	11.18	—	0.440	—
E	5.28	—	0.208	—
F	5.38	—	0.212	—
G	5.28	—	0.208	—
H	5.28	—	0.208	—

TNCA Female				
	mm		Inch	
	Min	Max	Min	Max
A	4.62	4.72	0.182	0.186
B	8.10	8.15	0.319	0.321
C	8.31	8.46	0.327	0.333
D	9.60	9.68	0.378	0.381
E	5.03	5.28	0.198	0.208
F	5.03	5.28	0.198	0.208
G	8.31	8.51	0.327	0.335
H	1.73	2.24	0.068	0.088
I	4.75	—	0.187	—

Interface dimensions conformable to the standards: MIL-STD-348A

TECHNICAL DATA



ELECTRICAL DATA	
Impedance	50 Ohm
Frequency range	DC — 18GHz
Dielectric withstanding voltage	1500V
Insulation resistance	$\geq 1000 \text{ M}\Omega$
Contact resistance	inter contact $\leq 1.5 \text{ m}\Omega$ out contact $\leq 0.2 \text{ m}\Omega$
VSWR max.	1.15 : 1

MECHANICAL DATA	
Base material	
Centercontact	Copper Beryllium Alloy, Gold-pated
Body	Stainless Steel, Passivated
Insulator	PEI, PTFE
Durability(matings)	≥ 500

ENVIRONMENTAL	
Temperature Range	-55 °C to + 165 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	Saltspray test acc.to MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D

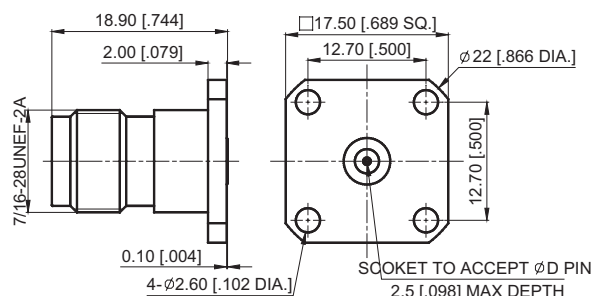
RECEPTACLES WITH ACCEPTS PIN



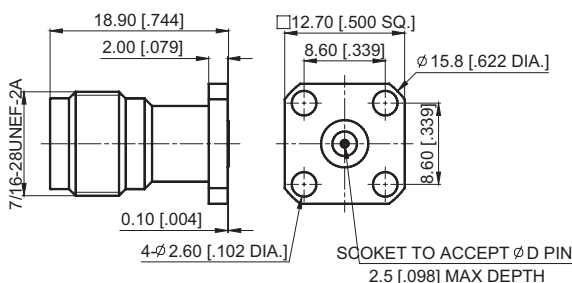
Receptacles, jacks (female), Flange Mount



Part Number	Ø D PIN
80-02-9F5-021A	0.46 [.018]
80-02-9F5-021B	0.51 [.020]
80-02-9F5-021C	0.91 [.036]

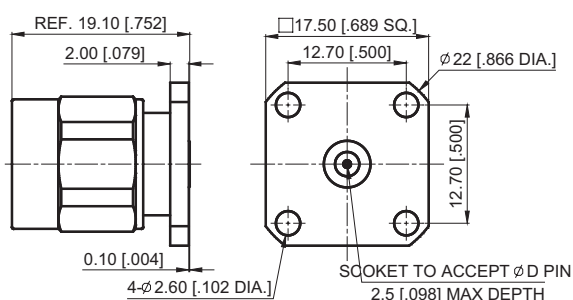


Part Number	Ø D PIN
80-02-9F5-022A	0.46 [.018]
80-02-9F5-022B	0.51 [.020]
80-02-9F5-022C	0.91 [.036]



Receptacles, plugs (male), Flange Mount

Part Number	Ø D PIN
80-03-9F5-023A	0.46 [.018]
80-03-9F5-023B	0.51 [.020]
80-03-9F5-023C	0.91 [.036]



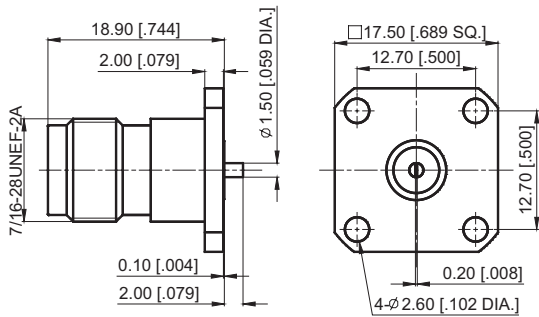
RECEPTACLES WITH TAB



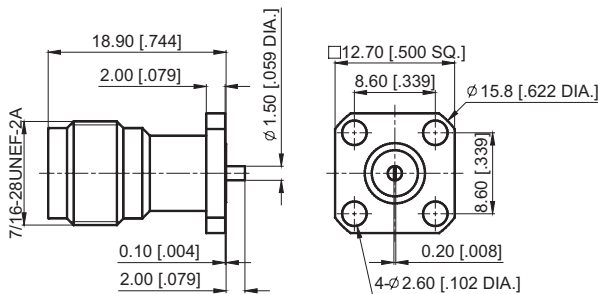
Receptacles, jacks (female), Flange Mount



Part Number
80-02-9F6-024

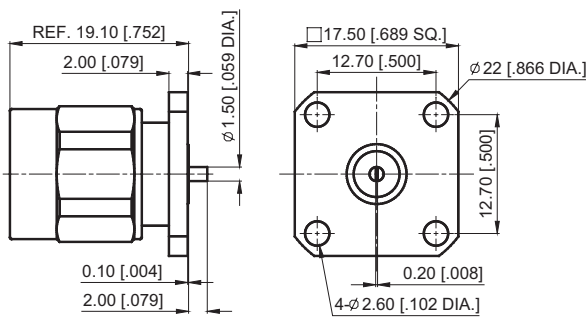


Part Number
80-02-9F6-025



Receptacles, plugs (male), Flange Mount

Part Number
80-03-9F6-026



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