

As you can see in the following drawings the dimensions of the teflon insulator inside the metal sleeve are different in our custom TNC connector (first drawing) than the standard TNC connector (second drawing). This makes it impossible to mate our custom TNC connector with a standard polarized (reversed gender) TNC connector, since the insulators would be destroyed if the connectors are forced, causing short circuit.

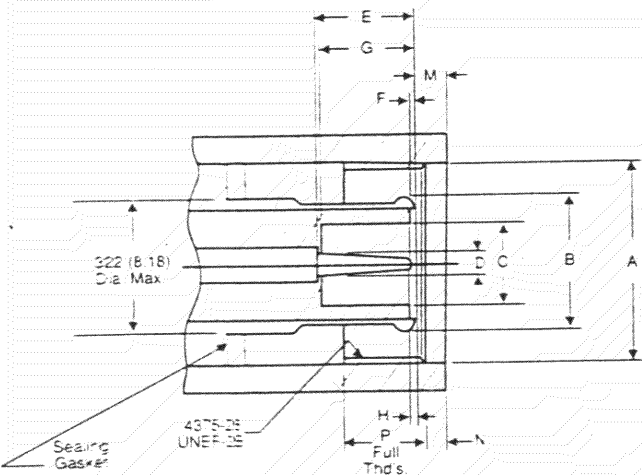
FINISHES

Contacts	<p>1. Standard finish on all MIL-PRF-39012 items .00005 (.0012mm) min. hard gold plate per MIL-G-45204 over .00005 (.0012mm) min. nickel plate per QQ-N-290.</p> <p>2. All other items .00005" (.0012mm) min. hard gold plate per MIL-G-45204 over copper, unless otherwise specified.</p>
Bodies & Fittings	<p>1. Standard finish .0002" (.005mm) min. silver plate, electro-deposited per QQ-S-365A plus Kings TR-4® electrolytic chromate treatment.</p> <p>2. TR-5® - Kings tarnish resistant alloy electrodeposit finish.</p>

INTERFACE

Per MIL-PRF-39012 or MIL-STD-348 as applicable

PLUG



Dim Ltr	inches (mm)		Dim Ltr	inches (mm)	
	Minimum	Maximum		Minimum	Maximum
A	.440 (11.18)		G	.208 (5.28)	.228 (5.79)
B	Gauge Test		H	.003 (0.08)	.040 (1.02)
C	.190 (4.83)		M		.078 (1.98)
D	.052 (1.32)	.054 (1.37)	N	.063 (1.60)	
E	.210 (5.33)	.230 (5.84)	P	.156 (3.96)	
F	.006 (0.15)				

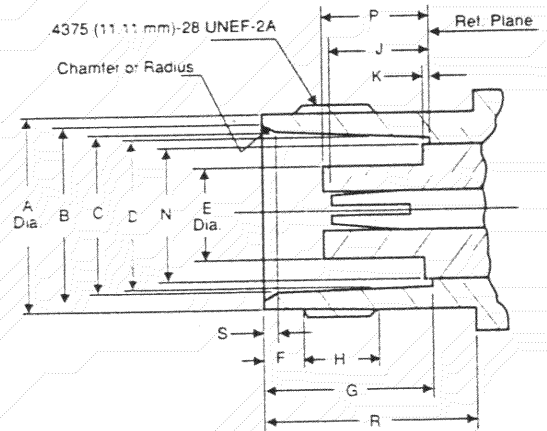
(MIL-PRF-39012 cable connectors)

ENVIRONMENTAL

Temperature Range	PTFE Insulators: -85°F to +329°F (-65°C to +165°C)
Vibration	MIL-STD-202 Method 204, test condition B
Shock	MIL-STD-202 Method 213, test condition G
Corrosion (salt spray)	MIL-STD-202 Method 101, test condition B
Moisture Resistance	MIL-STD-202 Method 106
Hermetic Seals	Leakage shall not exceed 1×10^{-7} cc/sec of tracer gas at atmospheric pressure.
Compression Seals	Gasketed units show no leakage at 50 psi.

Specifications are typical for straight plug configurations designed to MIL-PRF-39012 and may not apply to all connectors.

JACK



Dim Ltr	inches (mm)		Dim Ltr	inches (mm)	
	Minimum	Maximum		Minimum	Maximum
A	.378 (9.60)	.381 (9.68)	H	.187 (4.75)	
B	.346 (8.79)	.356 (9.04)	J	.186 (4.72)	.206 (5.23)
C	.327 (8.31)	.333 (8.46)	K		.006 (0.15)
D	.319 (8.10)	.321 (8.15)	N		.256 (6.50)
E		.186 (4.72)	P	.188 (4.78)	.208 (5.28)
F	.068 (1.73)	.088 (2.24)	R	.414 (10.52)	
G	.327 (8.31)	.335 (8.51)	S	.015 (0.38)	.030 (0.76)