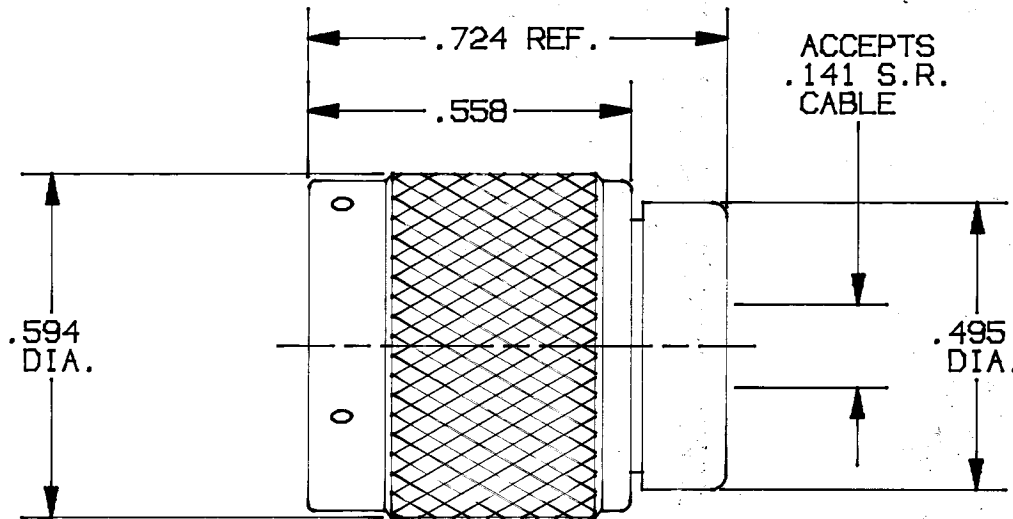


CONFIGURATION



TNC SOLDER-ON CONNECTOR FOR .141 SEMI-RIGID CABLE

DWG. NO. 4009-0006

ELECTRICAL:

Nominal Impedance (Ohms)	50
Frequency Range (Ghz)	DC TO 15.0
Voltage Rating (Max. VRMS)	500
VSWR (Max.)	1.10+.010 X FGHZ
Insertion Loss (db Max.)	.05
RF Leakage (Min. dB down)	65 DB-FGHZ
RF High Potential (max. VRMS)	1000 AT 5MHZ
Dielectric Withstanding Voltage (max. VRMS)	1500
Insulation Resistance (Min. megohms)	5000
Contact Resistance:	
Center Contact (Max. milliohms)	1.5
Outer Contact (Max milliohms)	.2

MECHANICAL:

Interface Dimensions	PER MIL-C-39012/TNC SERIES & S/M MD-100
Recommended Mating Torque	6-10 In. lbs
Center Contact Axial Forces:	
Insertion (Max. ounces)	N/A
Withdrawal (Min. ounces)	N/A
Connector Durability (Min. cycles)	500
Connector Engagement & Disengagement (Max. Inch lbs.)	2.0
Center Contact Captivation	N/A

ENVIRONMENTAL:

Temp. Rating (degrees centigrade)	-65°C TO +105°C *
Vibration (MIL-STD-202, Method 213, Condition D, 20g, e)	
Shock (MIL-STD-202, Method 213, Cond. I, 100g, e)	
Temp. Cycling (MIL-STD-202, Method 107, Cond. B, -65c to 115° c)	
Moisture Resistance (MIL-STD-202, Method 106, Less Step 7b)	
Barometric Pressure (Altitude) MIL-STD-202, Method 105, Cond. C, 70,000 ft., 375 VRMS)	
Hermeticity	N/A

* DERATED FROM +165°C WHEN USED WITH CABLE SPECIFIED.

MATERIAL & FINISH:

BODY & COUPLING NUT: BRASS PER QQ-B-626, 1/2 H, ALLOY 360, GOLD PLATED PER MIL-G-45204, TYPE 1, GRADE C, CLASS 1; OVER COPPER PER MIL-C-14550, CLASS 4.

CONTACT: BRASS PER QQ-B-626, 1/2 H, ALLOY 360, GOLD PLATED PER MIL-G-45204, TYPE 1, GRD. C, CLASS 2; OVER COPPER PER MIL-C-14550, CLASS 4.

OUTER CONTACT: BERYLLIUM COPPER PER QQ-C-530, COND H, ALLOY 173, GOLD PLATED PER MIL-G-45204, TYPE 1, GRADE C, CLASS 2; OVER COPPER PER MIL-C-14550, CLASS 4.

LOCK RING: PHOSPHOR BRONZE PER AST-B159, ALLOY 51000, TEMP. H08.

GASKET: SILICONE RUBBER PER ZZ-R-765, CLASS IIB, GRADE 50-60.

INSULATOR: TEFLON PER MIL-P-19468 & L-P-403, TYPE 1.

SYM.	DESCRIPTION	DATE	APPR.	DRAWN:	APPROVED:
—	REL. F-11430	1/89	WJT	D. CARNES	WJT
				DATE 1/89	DATE 1/13/89

SOLITRON MICROWAVE
1167 BLUE HERON BLVD.
RIVIERA BEACH, FL., 33404

DWG. NO. 4009-0006