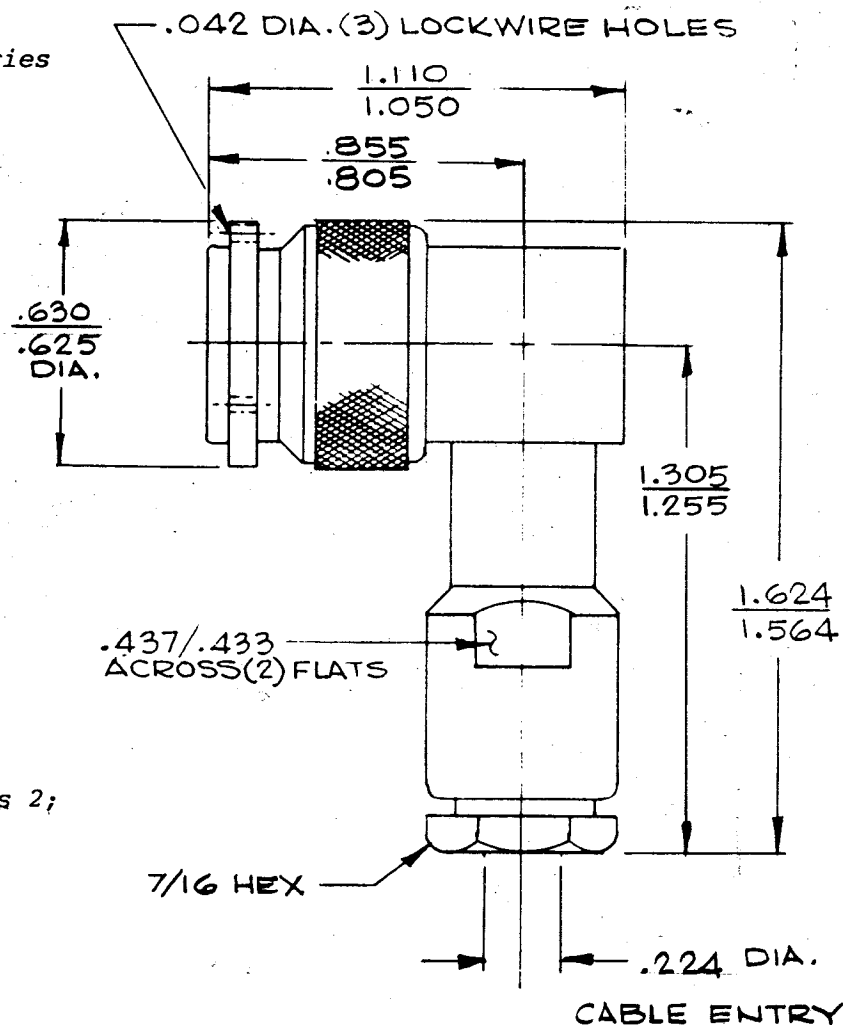


M39012/30-0101

NOTES:

1. MATING: Interface dimensions per Mil-C-39012/TNC Series and Solitron/Microwave MD-108.
2. MATERIALS:
ALL METAL PARTS
EXCEPT OUTER
CONTACT, CENTER
CONTACT & LOCK
RING.....Brass per QQ-B-626, Alloy 360.
CENTER CONTACT..Beryllium Copper per QQ-C-530, Cond. H.T.
LOCK RING.....Phosphor Bronze per ASTM-B139, Alloy 51000.
GASKET.....Silicone Rubber per ZZ-R-765, Class 2B,
Grade 50 or 60.
DIELECTRIC.....Teflon per Mil-P-19468 & L-P-403, Type 1.
3. FINISH:
ALL METAL PARTS
EXCEPT CENTER
CONTACT, CABLE
CONTACT & LOCK
RING.....Silver with Iridite per QQ-S-365, Type II,
Grade A.
CENTER CONTACT &
CABLE CONTACT...Gold per Mil-G-45204, Type I, Grade C, Class 2;
over Copper per Mil-C-14550, Class 4.
LOCK RING.....None.
4. CABLE ASSEMBLY INSTRUCTIONS PER S/M DRAWING: 300-80-479
5. CENTER CONTACT CAPTIVATED.
6. CONNECTOR ACCOMMODATES: RG- 58, 142, 223 & 400/ U CABLES.



SYM	DESCRIPTION	DATE	APPR	UNLESS OTHERWISE SPECIFIED 1. ALL DIMENSIONS ARE AFTER PLATING 2. BREAK ALL CORNERS & EDGES .005 R MAX. 3. CHAMFER 1ST & LAST THREADS 45° 4. SURFACE ROUGHNESS 63 ✓ MIL STD 10 5. DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN _____ T.I.R. 6. REMOVE ALL BURRS			SOLITRON/MICROWAVE PORT SALERNO, FLORIDA			REF
-	REL.DCNF-10239	1/86	RD	DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS FRACTIONAL ANGULAR X ± .030 X' ± 1'0" XX ± .015 ± 1/64 X'X' ± 15" XXX ± .005			MATERIAL _____		TITLE	
							FINISH _____ AREA _____		TNC R/A PLUG UG CLAMPING FOR RG/U CABLES 58, 142, 223, 400.	
				DRAWN R.P.A. DATE 12-6-85			SCALE	CODE IDENT NO.	SIZE	DRAWING NO.
				CHECKED _____ DATE _____			—	95077	A	SHEET 1. OF 2 M39012/30-0101
				APPROVED RD DATE 1-10-86						

ENG. FILE COPY

S/M DESIGN STANDARDS

DRAWING NO.

M39012/30-0101

REQUIREMENTS	RATINGS	REQUIREMENTS	RATINGS
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 Method 204 Cond. D (20G's)
Frequency Range (ghz)	DC - 11.0	Shock	MIL-STD-202 Method 213 Cond. I (100G's)
Voltage Rating (max. vrms)	500	Temperature Cycling	MIL-STD-202 Method 107 - Cond. B (-65°C to +200 ° C)
Temperature Rating (degrees centigrade)	-65° to + 165°	Corrosion	MIL-STD-202 Method 101 Cond. B (48 Hrs.)
VSWR (max.)	1.30 Max.	Moisture Resistance	MIL-STD-202 Method 106 Less Step 7b
Insertion Loss (dB max.)	.07 $\times \sqrt{FGHz}$	Barometric Pressure (Altitude)	MIL-STD-202 Method 105 - Cond. C (70,000 ft) (375 vrms)
RF Leakage (min. dB down)	65 dB-FGHz	Hermeticity	N/A
RF High Potential (max. vrms)	1000 at 5MHz	CAPTIVATION: Center Contact Min. Axial Force	6 lbs.
Dielectric Withstanding Voltage (max. vrms)	1500		
Insulation Resistance (min. megohms)	5000		
Contact Resistance: Center Contact (max. milliohms) Outer Contact (max. milliohms)	1.5 0.2		
Center Contact Axial Forces: Insertion (max. ounces) Withdrawal (min. ounces)	N/A		
Connector Durability (min. cycles)	500		
Connector Engagement & Disengagement (max. inch lbs.)	2.0		

REMARKS: 1) Recommended Mating Torque: 30 - 35 Inch Pounds.

TITLE: TNC, RIGHT/ANGLE PLUG FOR
RG/R CABLE 58,142,223,400.

SOLITRON/MICROWAVE
PORT SALERNO, FLORIDA

SHT. 2 of 2

DRAWING NO.

M39012/30-0101

REV.