

M39012/27-0101

NOTES:

1. MATING: Interface dimensions per Mil-39012/TNC Series & Solitron/Microwave MD-108.

2. MATERIALS:

BODY, CLAMP NUT

CLAMP & BUSHING..Brass per QQ-B-626, ½ H., Alloy 360.

WASHER.....Brass per QQ-B-613, ½ H., Alloy 340

CONTACT.....Beryllium Copper per QQ-C-530, Cond. H., Alloy 173.

GASKET.....Silicone Rubber per ZZ-R-765, Class IIB, Grade 50 - 60, Color: Red.

INSULATOR.....Teflon per Mil-P-19468 & L-P-403, Type 1.

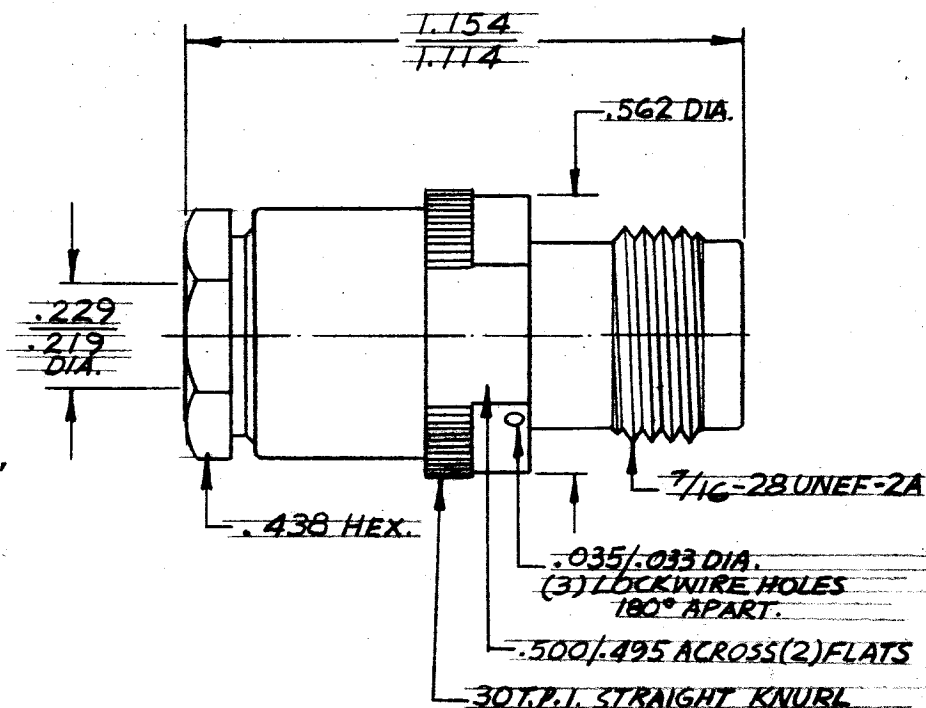
3. FINISH:

ALL METAL PARTS

EXCEPT CONTACT...Silver with Iridite per QQ-S-365, Type II, Grade A.

CONTACT.....Gold per Mil-G-45204, Type 1, Grade C, Class 2; over Copper per Mil-C-14550, Class 4.

4. CABLE ASSEMBLY INSTRUCTIONS PER 300-80-526.



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 TYP. 6. REMOVE ALL BURRS	SOLITRON/MICROWAVE PORT SALERNO, FLORIDA		REF.
-	REL DCN F-10406	5/86	TD		MATERIAL SEE NOTE 2		ENGINEERING DATA DRAWING
					FINISH SEE NOTE 3		TITLE TNC JACK FOR
					AREA		RG-58, 142, 223 & 400/U
					SCALE		CABLES-CAPTIVATED CONTACT
					CODE IDENT NO.		DRAWING NO. SHEET 1 OF 2
					SIZE		M39012/27-0101
					95077		
					A		
					DATE 5-9-86		

"DESIGN CRITERIA"

M39012/27-0101

REQUIREMENT	RATING	REQUIREMENT	RATING
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) * 2.)	-65° to + 165°	Corrosion	MIL-STD-202 method 101 Cond. B (48 hrs.)
VSWR (max.)	1.30 x FGHZ	Moisture Resistance	MIL-STD-202 method 106 less step 7b
Insertion Loss (dB max.)	.05 $\sqrt{F}$ (GHZ)	Barometric Pressure (Altitude)	MIL-STD-202 method 105 Cond. C (70,000 ft.) (375 vrms)
RF Leakage (min. dB down)	100 dB $\sqrt{F}$ (GHZ)		
RF High Potential (max. vrms)	1000 AT 5HMz	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)	1.5		
Outer Contact (max. milliohms)	0.2		
Center Contact Axial Forces			
Insertion (max. ounces)	32.0		
Withdrawal (min. ounces)	2.0		
Connector Durability (min. cycles)	500		
Connector Engagement (Axial Forces)	2.0		
Connector Disengagement			

REMARKS: 1.) Recommended Mating Torque: 4 - 6 Inch Pounds.
 * 2.) Connector is Derated From + 165°c When Used with Cable Specified.

TITLE TNC, JACK, FOR RG 58, 142, 223 &
400/U CABLES CAPTIVATED CONTACT.

SOLITRON/MICROWAVE
PORT SALERNO, FLORIDA

SHEET 2 OF 2

DRAWING NO.
M39012/27-0101

REV.
-