

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, 1/2 H., Alloy 360.

WASHER.....Brass per QQ-B-613, 1/2 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.

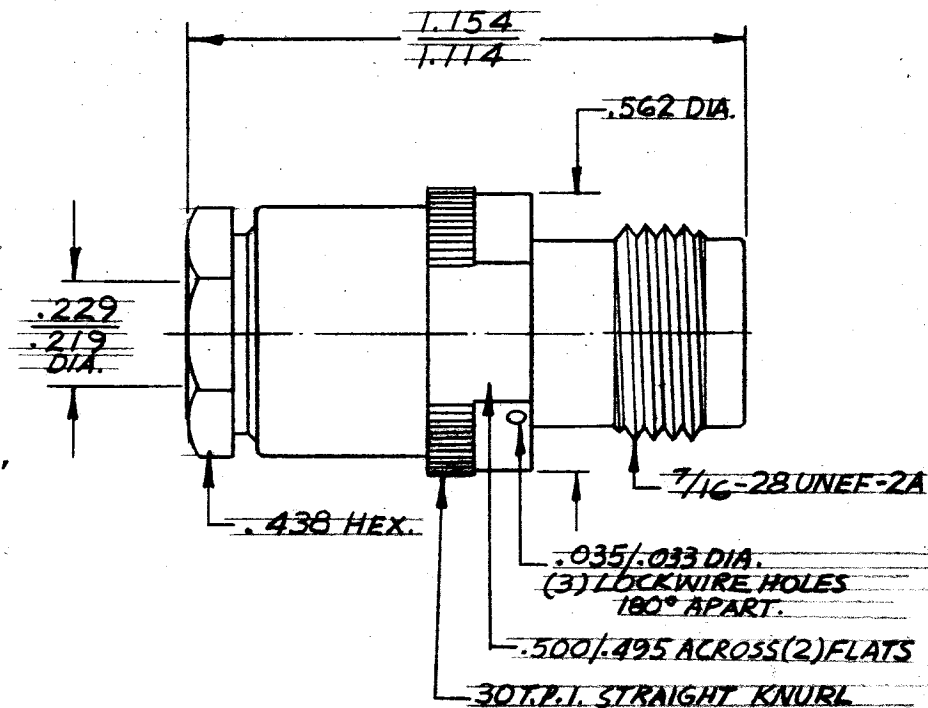
3. FINISH:

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 T.P. 6. REMOVE ALL BURRS	SOLITRON/MICROWAVE PORT SALERNO, FLORIDA		REF.
-	REL DCN F-10406	5/86	D		MATERIAL SEE NOTE 2		ENGINEERING DATA DRAWING TITLE TNC JACK FOR RG-58, 142, 223 & 400/U CABLES-CAPTIVATED CONTACT
DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS FRACTIONAL ANGULAR X ± .030 X' ± 1/8" XX ± .015 ± 1/64 X'' ± 15" XXX ± .005				FINISH SEE NOTE 3		AREA	DRAWING NO. SHEET 1 OF 2 M39012/27-0101
DRAWN DATE 5/6/86				SCALE	CODE IDENT NO.	SIZE	
CHECKED DATE				—	95077	A	
APPROVED 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		
Voltage Rating (max. vrms)	500	Shock	MIL-STD-202 method 213 Cond. I (100G's)
Temperature Rating (degrees centigrade) * 2.)	-65° to + 165°		
VSWR (max.)	1.30 x FGhz	Temperature Cycling	MIL-STD-202 method 107 - Cond. B (-65°c To + 200°c)
Insertion Loss (dB max.)	.05 \sqrt{F} (GHZ)		
RF Leakage (min. dB down)	100 dB \sqrt{FGHZ}	Corrosion	MIL-STD-202 method 101 Cond. B (48 hrs.)
RF High Potential (max. vrms)	1000 AT 5HMz		
Dielectric Withstanding Voltage (max. vrms)	1500	Moisture Resistance	MIL-STD-202 method 106 less step 7b
Insulation Resistance (min. megohms)	5000		
Contact Resistance Center Contact (max. milliohms) Outer Contact (max. milliohms)	1.5 0.2	Barometric Pressure (Altitude)	MIL-STD-202 method 105 Cond. C (70,000 ft.) (375 vrms)
Center Contact Axial Forces Insertion (max. ounces) Withdrawal (min. ounces)	32.0 2.0		
Connector Durability (min. cycles)	500	CAPTIVATION: Center Contact Min. Axial Force	6 lbs.
Connector Engagement (Axial Forces) Connector Disengagement	2.0		

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.
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