

M39012/31-0001

NOTES:

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

2. MATERIALS:

ALL METAL PARTS

EXCEPT CONTACT &

LOCKWASHER.....Brass per QQ-B-626, Half Hard, Alloy 360.

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

LOCKWASHER.....Phosphor Bronze per ASTM-B-103, Alloy B52100.

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

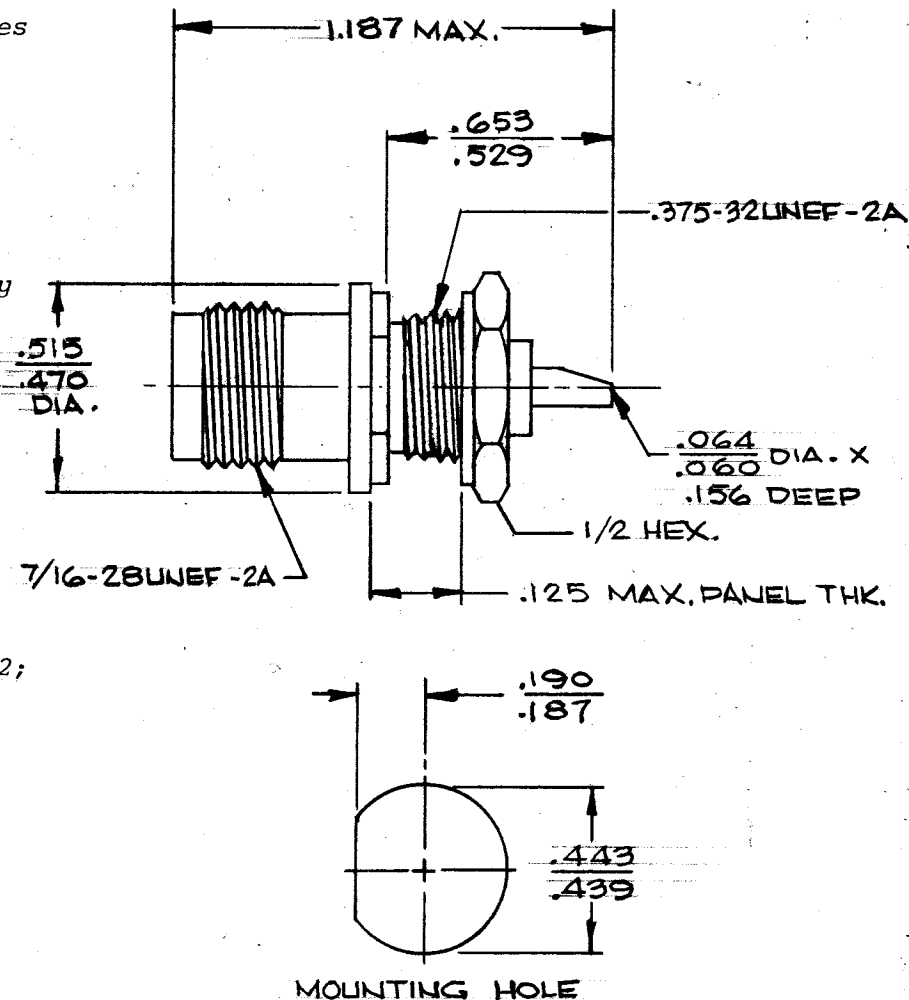
SOLDER.....Silicon Bronze per QQ-S-365, Type II, Grade A.

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 I, Grade C, Class 2; over Copper per Mil-C-14550, Class 4.



SYM	DESCRIPTION	DATE	APPR.	UNLESS OTHERWISE SPECIFIED		SOLITRON/MICROWAVE		REF.	
-	REL. DCN F-10242	2/86	JD	1. ALL DIMENSIONS ARE AFTER PLATING		PORT SALERNO, FLORIDA		ENGINEERING DATA DRAWING	
				2. BREAK ALL CORNERS & EDGES .005 R MAX.		MATERIAL		TITLE	
				3. CHAMFER 1ST & LAST THREADS 45°		FINISH		TNC BULKHEAD JACK	
				4. SURFACE ROUGHNESS 63 MIL STD-10		AREA		SOLDER POT	
				5. DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN T.I.R.		SCALE		DRAWING NO.	
				6. REMOVE ALL BURRS		CODE IDENT. NO.		SHT. 1 OF 2	
				DIMENSIONS ARE IN INCHES		95077		M39012/31-0001	
				TOLERANCES		A			
				DECIMALS FRACTIONAL ANGULAR					
				X ± .030 X' ± 1'0"					
				XX ± .015 ± 1/64 X'X ± 15'					
				XXX ± .005					
				DRAWN R.P.A. DATE 12-9-85					
				CHECKED G DATE 12-85					
				APPROVED JD DATE 2-24-86					

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S/M DESIGN STANDARDS

DRAWING NO.

M39012/31-0001

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.)	N/A xFGHz	Moisture Resistance	MIL-STD-202 Method 106 Less Step 7b
Insertion Loss (dB max.)	N/A x√FGHz	Barometric Pressure (Altitude)	MIL-STD-202 Method 105 - Cond. C (70,000 ft) (375 vrms)
RF Leakage (min. dB down)	N/A dB-FGHz	Hermeticity	N/A
RF High Potential (max. vrms)	1000 at 5MHz	CAPTIVATION: Center Contact (Min. Axial Force) (Min. Radial Torque)	6 lbs. 4 in. ounces
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)	32.0 2.0		
Connector Durability (min. cycles)	500		
Connector Engagement & Disengagement (max. inch lbs.)	2.0		

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

TITLE: TNC BULKHEAD JACK - SOLDER POT
CAPTIVE CONTACT

SOLITRON/MICROWAVE
PORT SALERNO, FLORIDA

SHT. 2 of 2

DRAWING NO.
M39012/31-0001

REV.
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