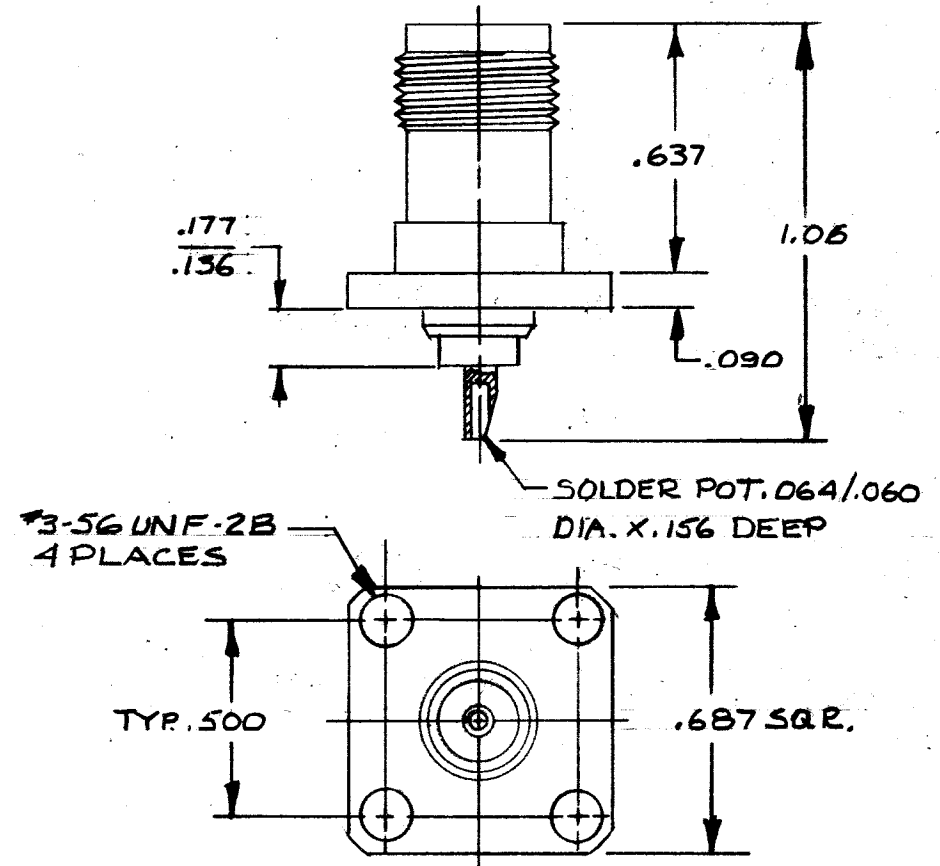


NOTES

1. **MATING:**  
Interface dimensions per Mil-C-39012/TNC Series and Solitron/Microwave MD-108.
2. **MATERIALS:**  
 Body: Brass per QQ-B-626, 1/2 Hard, Alloy 360.  
 Contact: Beryllium Copper per QQ-C-530, Cond. H.T., Alloy 173.  
 Dielectric: Teflon per Mil-P-19468 and L-P-403, Type I.
3. **FINISH:**  
 Body: Silver .0002 Min., per QQ-S-365, Type II, Grade A.  
 Contact: Gold per Mil-G-45204, Type II, Grade C, Class 2; over Copper per Mil-C-14550, Class 4.



SYM	DESCRIPTION	DATE	APPR.	UNLESS OTHERWISE SPECIFIED			SOLITRON/MICROWAVE PORT SALERNO, FLORIDA	REF.	
				1. REMOVE ALL BURRS 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. ALL DIMENSIONS ARE AFTER PLATING					ENGINEERING DATA DRAWING
A	Rev. F-8328	5/81		DIMENSIONS ARE IN INCHES TOLERANCES			MATERIAL	TITLE TNC PANEL RECEPTACLE 4 HOLE FLANGE	
				DECIMALS X ± .030 XX ± .015 XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1'0"			FINISH
				DRAWN B.P.	DATE 5-26-81	SCALE	CODE IDENT. NO.	SIZE	
				CHECKED	DATE 5/29/81		95077	A	4060-0001
				APPROVED DGG	DATE 5/29/81				

**ENG. FILE COPY**

S/M DESIGN STANDARDS

DRAWING NO.  
4060-0001

## REQUIREMENTS

## RATINGS

Nominal Impedance (ohms)	50
Frequency Range (ghz)	DC-15.0
Voltage Rating (max. vrms)	500
Temperature Rating (degrees centigrade)	-65° to +165°
VSWR (max.)	N/A xFGHZ
Insertion Loss (dB max.)	N/A $x\sqrt{FGHZ}$
RF Leakage (min. dB down)	100dB-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)	0.2
Center Contact Axial Forces:	
Insertion (max. ounces)	24.0
Withdrawal (min. ounces)	2.0
Connector Durability (min. cycles)	500
Connector Engagement & Disengagement (max. inch lbs.)	2.0

## REQUIREMENTS

## RATINGS

Vibration	MIL-STD-202 Method 204 Cond. D (20G's)
Shock	MIL-STD-202 Method 213 Cond. I (100G's)
Temperature Cycling	MIL-STD-202 Method 102 - Cond. C (-65°C to + 200 ° C)
Corrosion	MIL-STD-202 Method 101 Cond. B (48 Hrs.)
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)

REMARKS: 1) Recommended Mating Torque: 30-35 inch pounds.

TITLE: TNC, PANEL RECEPTACLE,  
4 HOLE FLANGE**SOLITRON/MICROWAVE**  
PORT SALERNO, FLORIDASHT. 2 of 2DRAWING NO.  
4060-0001REV.  
A