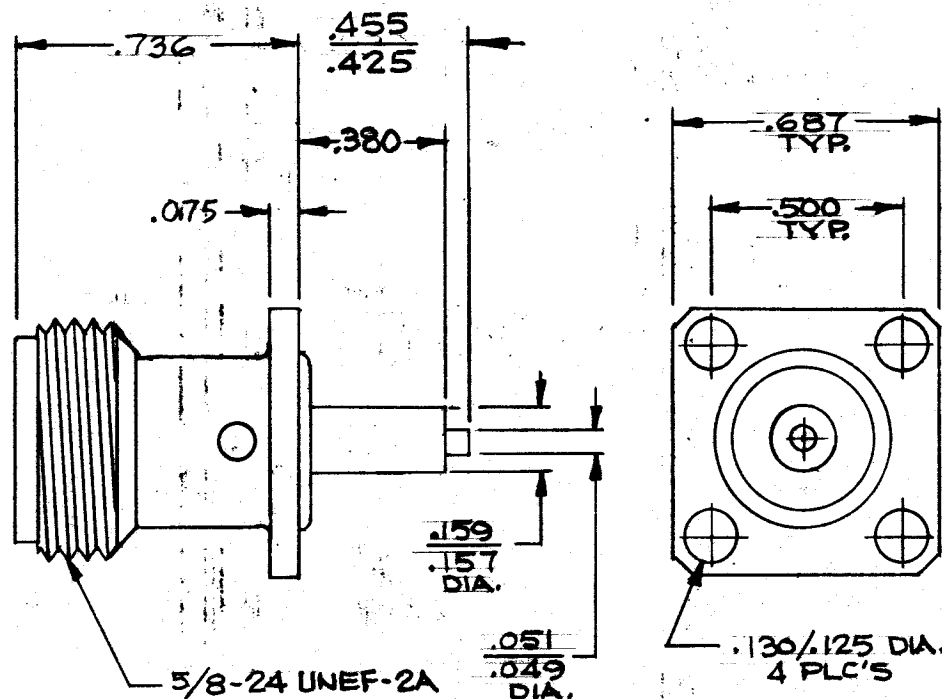


5050-0062

NOTES:

1. **MATING:**
Interface dimensions per Mil-C-39012/N and Solitron/Microwave MD-109.
2. **MATERIALS:**
Body: Brass per QQ-B-626, 1/2 Hard, Alloy 360.
Contact: Beryllium Copper per QQ-C-530, Cond. H., Alloy 173.
Insulator: Teflon per Mil-P-19468 and L-P-403, Type I.
O'Ring: Silicone Rubber per ZZ-R-765, Class IIB, Grade 50 or 60.
Color: Red.
3. **FINISH:**
Body: Nickel per QQ-N-290, Class 1.
Contact: Gold per Mil-G-45204, Type I, Grade C, Class 2; over Copper per Mil-C-14550, Class 4.
4. Contact epoxy captivated.



SYM	DESCRIPTION	DATE	APPR.	UNLESS OTHERWISE SPECIFIED			SOLITRON/MICROWAVE		REF.
-	REL DCN F-9214	1-83	DB	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			PORT SALERNO, FLORIDA		ENGINEERING DATA DRAWING
A	REV DCN 22827	9/96	h	DIMENSIONS ARE IN INCHES TOLERANCES			MATERIAL		TITLE
				DECIMALS .X ± .030 .XX ± .015 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1'0" X'X' ± 15'	FINISH		'N' JACK, 4 HOLE FLANGE MOUNT
				DRAWN R.P.A. DATE 1-27-83			SCALE	CODE IDENT. NO.	DRAWING NO.
				CHECKED -RG DATE 1-28-83			-	95077	5050-0062
				APPROVED P.W.G. DATE 1-31-83				A	SHEET 1 OF 2

ENC. FILE COPY

S/M DESIGN STANDARDS

DRAWING NO.
5050-0062

REQUIREMENTS	RATINGS	REQUIREMENTS	RATINGS
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 Method 204 Cond. D (20G's)
Frequency Range (ghz)	DC-12.4 GHz	Shock	MIL-STD-202 Method 213 Cond. I (100G's)
Voltage Rating (max. vrms)	1000	Temperature Cycling	MIL-STD-202 Method 102 - Cond. C (-65°C to + 200°C)
Temperature Rating (degrees centigrade)	-65° to +165°	Corrosion	MIL-STD-202 Method 101 Cond. B (48 Hrs.)
VSWR (max.) *	1.07 + .015 x FGHz	Moisture Resistance	MIL-STD-202 Method 106 Less Step 7b
Insertion Loss (dB max.) *	.07 x $\sqrt{\text{FGHz}}$	Barometric Pressure (Altitude)	MIL-STD-202 Method 105 - Cond. C (70,000 ft) (750 vrms)
RF Leakage (min. dB down)	60 dB-FGHz	Captivation Center Contact (Min. Axial Force) (Min. Radial Torque)	10 lbs. 4 in. oz.
RF High Potential (max. vrms)	2000 at 5MHz		
Dielectric Withstanding Voltage (max. vrms)	3000		
Insulation Resistance (min. megohms)	5000		
Contact Resistance:			
Center Contact (max. milliohms)	1.0		
Outer Contact (max. milliohms)	.2		
Center Contact Axial Forces:			
Insertion (max. ounces)	24		
Withdrawal (min. ounces)	2		
Connector Durability (min. cycles)	500		
Connector Engagement & Disengagement (max. inch lbs.)	6.0		

REMARKS: 1) Recommended Mating Torque: 35-40 inch pounds.

* When properly terminated in a 50 OHM load.

TITLE:

"N" JACK, 4 HOLE FLANGE MOUNT

SOLITRON/MICROWAVE
PORT SALERNO, FLORIDA

SHT. 2 of 2

DRAWING NO.

5050-0062

REV.

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