

M55339/34-30001

NOTES:

1. MATING:

Interface dimensions per Mil-A-55339/TNC Series and Solitron/Microwave MD-108.

2. MATERIALS:

All Metal parts except

Contacts and Pin: Stainless Steel per AMS-5640
Type 303, Cond. A

Contacts: Beryllium Copper per QQ-C-530,
Cond. HT, Alloy 173.

Pin: Kovar.

Glass Bead: #7052.

Insulators: Teflon per Mil-P-19468 and
L-P-403, Type I.

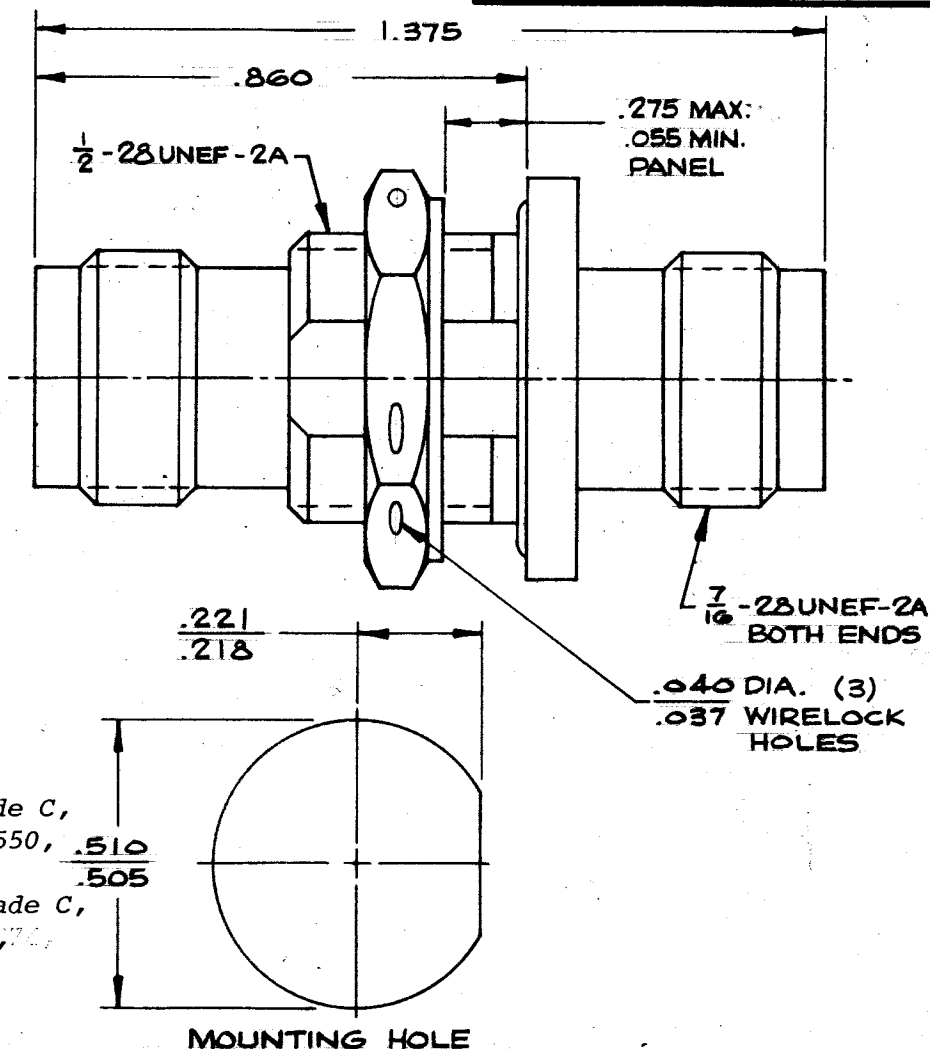
O'Ring: Nitrile (Buna N) per Mil-P-25732,
Durometer 75.

3. FINISH:

All Metal parts except

Contacts and Pin: Passivate per QQ-P-35A, Type I.
Contacts: Gold per Mil-G-45204, Type I, Grade C,
Class 2; over Copper per Mil-C-14550,
Class 4.

Pin: Gold per Mil-G-45204, Type I, Grade C,
Class 1; over Nickel per QQ-N-290,
Class 1 (.00015 Min.).



SYM	DESCRIPTION	DATE	APPR.	UNLESS OTHERWISE SPECIFIED	SOLITRON/MICROWAVE		REF.
REL.	F-10281	3/86	ND	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	PORT SALERNO, FLORIDA		ENGINEERING DATA DRAWING
				DIMENSIONS ARE IN INCHES TOLERANCES	MATERIAL		TITLE
				DECIMALS FRACTIONAL ANGULAR .X ± .030 .XX ± .015 .XXX ± .005	FINISH		TNC JACK TO JACK BULKHEAD ADAPTER HERMETIC SEAL
				DRAWN ND DATE 1-24-86	SCALE	CODE IDENT. NO.	DRAWING NO.
				CHECKED DATE		95077	M55339/34-30001
				APPROVED ND DATE 2-14-86		A	SHEET 1 OF 2

ENG. FILE COPY

S/M DESIGN STANDARDS

DRAWING NO.
M55339/34-30001

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.)	1.4 MAX.	Moisture Resistance	MIL-STD-202 Method 106 Less Step 7b
Insertion Loss (dB max.)	.5 $\times \sqrt{FGHz}$	Barometric Pressure (Altitude)	MIL-STD-202 Method 105 - Cond. C (70,000 ft) (375 vrms)
RF Leakage (min. dB down)	55 dB-FGHz	Hermeticity	1×10^{-7} CC/SEC MAX
RF High Potential (max. vrms)	1000 at 5MHz	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) Outer Contact (max. milliohms)	7.5 ..5		
Center Contact Axial Forces: Insertion (max. ounces) Withdrawal (min. ounces)	32 2		
Connector Durability (min. cycles)	500		
Connector Engagement & Disengagement (max. inch lbs.)	2.0		

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

TITLE: TNC JACK TO JACK BULKHEAD ADAPTER
HERMETIC SEAL

SOLITRON/MICROWAVE
PORT SALERNO, FLORIDA

SHT. 2 of 2

DRAWING NO.
M55339/34-30001

REV.
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