

4533-6013

NOTES:

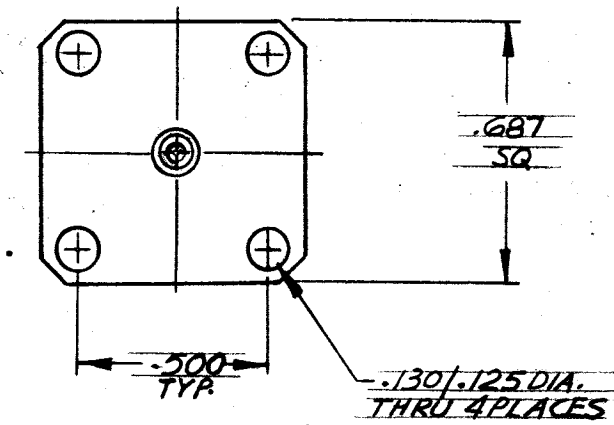
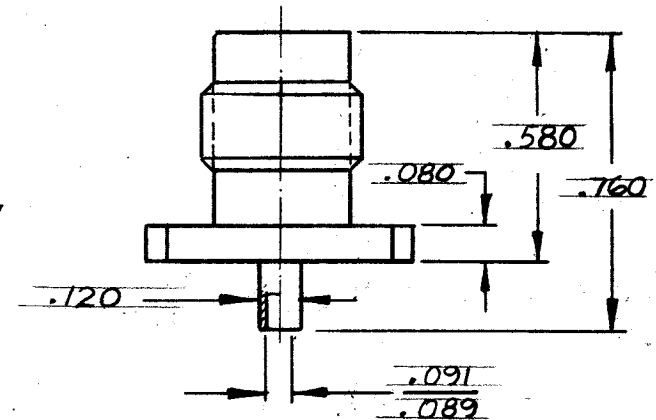
1. MATING: Interface dimensions per Mil-C-39012/PTNC Series & Solitron/Microwave MD-110.

2. MATERIALS:
 BODY & SLEEVE...Stainless Steel per AMS-5640, Type 303, Cond. A.
 CONTACT.....Beryllium Copper per QQ-C-530, Cond. H.T., Alloy 173.
 INSULATOR.....Teflon per Mil-P-19468 & L-P-403, Type 1.

3. FINISH:
 BODY & SLEEVE...Gold per Mil-G-45204, Type 1, Grade C, Class 1; over Nickel per Mil-C-26074, Class 1.
 CONTACT.....Gold per Mil-G-45204, Type II, Grade C, Class 2; over Copper per Mil-C-14550, Class 4.

4. CONNECTOR ACCOMMODATES: .085 Dia. Semi-Rigid Cable.

5. CABLE ASSEMBLY INSTRUCTIONS: Per Solitron/Microwave 300-80-TBA.



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.I.R. 6 REMOVE ALL BURRS	SOLITRON / MICROWAVE PORT SALERNO, FLORIDA		REF.
	REL. DCN F-10356	3/86	D				ENGINEERING DATA DRAWING
				DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS FRACTIONAL ANGULAR .X ± .030 X' ± 1'0" .XX ± .015 ± 1/64 X'X' ± 15" .XXX ± .005	MATERIAL	AREA	TITLE
				DRAWN <u>SMW</u> DATE 3/31/86	SEE NOTE 2		PTNC JACK
				CHECKED _____ DATE _____	SEE NOTE 3		4-HOLE FLANGE MOUNT
				APPROVED <u>D</u> DATE 4-2-86	SCALE _____	CODE IDENT. NO. 95077	FOR .085 DIA. S.R. CABLE
					SIZE A	DRAWING NO. SHEET 1 OF 2	4533-6013

S/M DESIGN STANDARDS

DRAWING NO.
4533-6013

REQUIREMENTS

RATINGS

Nominal Impedance (ohms)

50

Frequency Range (ghz)

DC - 15.

Voltage Rating (max. vrms)

335

Temperature Rating (degrees centigrade) *

 -65° to $+105^{\circ}$

VSWR (max.)

 $1.05 + .010 \times \text{FGHZ}$

Insertion Loss (dB max.)

 $.04 \times \sqrt{\text{FGHZ}}$

RF Leakage (min. dB down)

100 dB-FGHZ

RF High Potential (max. vrms)

670 at 5MHz

Dielectric Withstanding Voltage (max. vrms)

1000

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
CyclingMIL-STD-202
Method 107 - Cond. B
(-65°C to $+115^{\circ}\text{C}$)

Corrosion

MIL-STD-202
Method 101
Cond. B (48 Hrs.)Moisture
ResistanceMIL-STD-202
Method 106
Less Step 7bBarometric Pressure
(Altitude)MIL-STD-202
Method 105 - Cond. C
(70,000 ft) (250 vrms)

Hermeticity

N/A

CAPTIVATION:
Center Contact
(Min. Axial Force)

N/A

REMARKS: 1) Recommended Mating Torque: 6 - 10 Inch Pounds.

* 2) Connector is Derated From $+165^{\circ}\text{C}$ When used with Cable Specified.TITLE: PTNC JACK 4 HOLE FLANGE MOUNT
FOR .085 DIA. SEMI-RIGID CABLE.SOLITRON/MICROWAVE
PORT SALERNO, FLORIDA

SHT. 2 of 2

DRAWING NO.
4533-6013

REV.