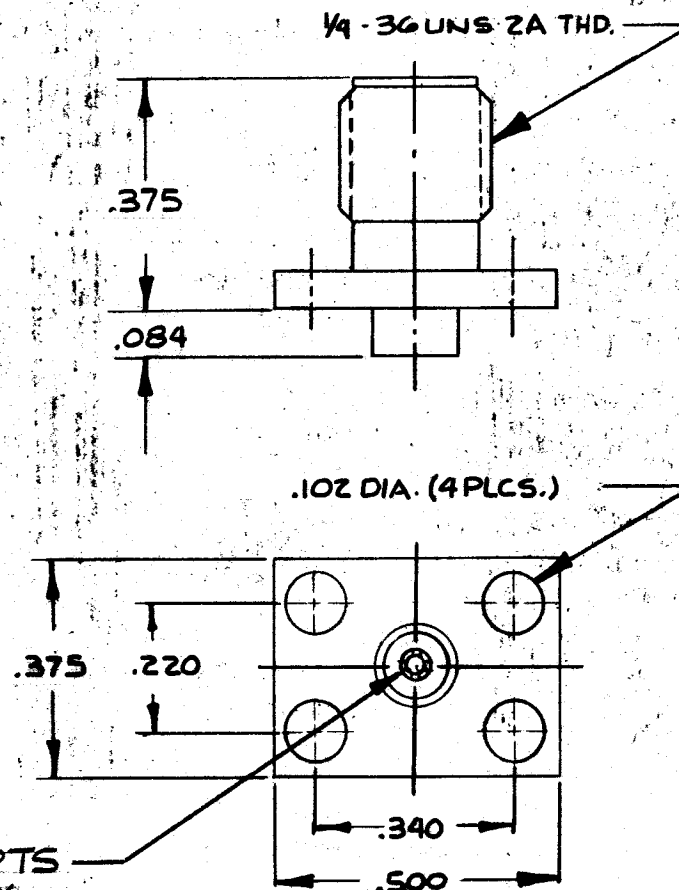


SF2950-6790

NOTES

- MATING:**
Interface dimensions per MIL-39012
and Solitron/Microwave MD-107.
- MATERIALS:**
Body: 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 and L-P-403, Type I.
- FINISH:**
Body: Passivate per QQ-P-35A, Type I.
Contact: Gold per Mil-G-45204, Type II, Grade C,
Class 2; over Copper per Mil-C-14550,
Class 4.



FEMALE SOCKET ACCEPTS
.013/.011 DIA. X.100 MAX.
LONG PIN

SYM	DESCRIPTION	DATE	APPR.	UNLESS OTHERWISE SPECIFIED		SOLITRON/MICROWAVE		REF.
-	Rel. F-8511	9/81	<i>[Signature]</i>	1. ALL DIMENSIONS ARE AFTER PLATING		PORT SALERNO, FLORIDA		ENGINEERING DATA DRAWING
A	REV. F-8809	3-82	DGG	2. BREAK ALL CORNERS & EDGES .005 R MAX.		MATERIAL		TITLE
B	REV. F-10071	9/85	<i>[Signature]</i>	3. CHAMFER 1ST & LAST THREADS 45°		FINISH		SMA, JACK
				4. SURFACE ROUGHNESS 63 MIL-STD-10		AREA		4 HOLE FLANGE
				5. DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN T.I.R.				DOUBLE FEMALE SOCKET
				6. REMOVE ALL BURRS				Sht 1 of 2
				DIMENSIONS ARE IN INCHES TOLERANCES		SCALE	CODE IDENT. NO.	DRAWING NO.
				DECIMALS	FRACTIONAL	ANGULAR		
				.X ± .030		X' ± 1'0'		
				.XX ± .015	± 1/64	X'' ± 15'		
				.XXX ± .005				
				DRAWN RJP DATE 8/81		+	95077	A
				CHECKED <i>[Signature]</i> DATE 9-9-81				
				APPROVED <i>[Signature]</i> DATE 9-9-81				SF2950-6790

ENG. FILE COPY

S/M DESIGN STANDARDS

DRAWING NO.

SF2950-6790

REQUIREMENTS

RATINGS

Nominal Impedance (ohms)

50 ohms

Frequency Range (ghz)

DC - 18.0 GHZ

Voltage Rating (max. vrms)

335

Temperature Rating (degrees centigrade)

-65 to + 165

VSWR (max.)

1.05 + .005xFGHz

Insertion Loss (dB max.)

.03x $\sqrt{\text{FGHz}}$

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)

3.0

Outer Contact (max. milliohms)

2.0

Center Contact Axial Forces:

Insertion (max. ounces)

48

Withdrawal (min. ounces)

2

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 107 - Cond. B
(-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) (250 vrms)

REMARKS: 1) Recommended Mating Torque: 7 to 10 inch pounds

TITLE:

SMA JACK 4 HOLE FLANGE
DOUBLE FEMALE SOCKET**SOLITRON/MICROWAVE**
PORT SALERNO, FLORIDA

SHT. 2 of 2

DRAWING NO.

SF2950-6790

REV.

B