SF1110-6002

NOTES:

1. MATING:

   Interface Dimensions per Mil-C-39012/Type N and SMA Series, Solitron/Microwave MD-109 and MD-107.

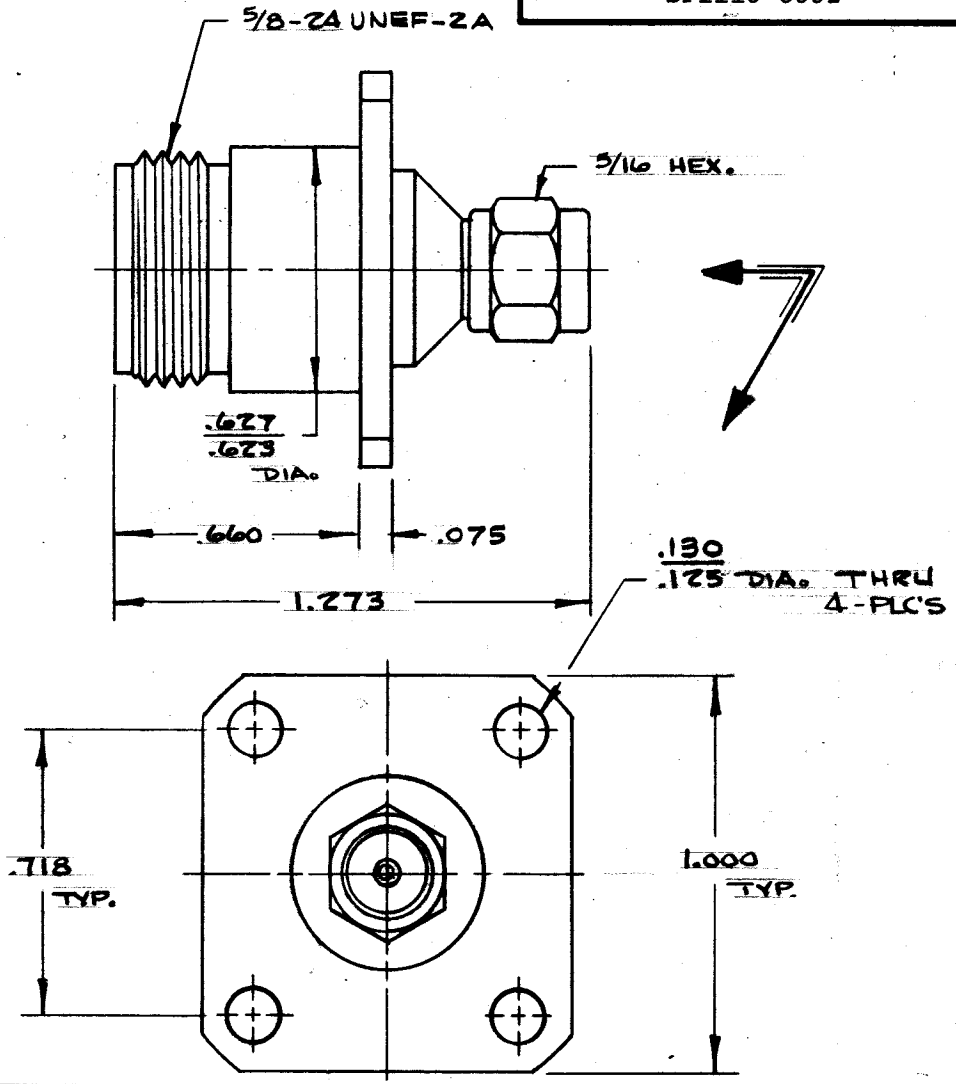
2. MATERIALS:

   Body and Coupling Nut: Stainless Steel per QQ-S-764, Type 303, Cond. A.
   Contact and Lock Ring: Beryllium Copper per QQ-C-530, Cond. H.
   Insulator: Teflon per Mil-P-19468A.
   Gasket: Silicone Rubber per ZZ-R-765, Class IIB, Grade 50-60.

3. FINISH:

   Body and Coupling Nut: Passivate per QQ-P-35A, Type 1.

   Contact: Gold per Mil-G-45204, Type II, Class 2; over Copper per Mil-C-14550, Class 4.



SYM	DESCRIPTION	DATE	APPR.
–	REL. F-5790	4/77	DGG
A	REV. F 6486	6/1/78	DGG

UNLESS OTHERWISE SPECIFIED
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

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ± .030	± 1/64	X° ± 1°0'
.XX ± .015		X°X' ± 15'
.XXX ± .005		

DRAWN D DATE 4-8-77
CHECKED DATE
APPROVED DGG DATE 4/8/77

SOLITRON/MICROWAVE
PORT SALERNO, FLORIDA

MATERIAL //

FINISH //

REF. ENGINEERING DATA DRAWING

TITLE
SMA, PLUG TO TYPE PN, JACK, FLANGE MOUNT ADAPTER

SHEET 1 OF 2

SCALE	CODE IDENT. NO.	SIZE
#	95077	A

DRAWING NO. SF1110-6002

ENG FILE COPY

"DESIGN CRITERIA"

SF1110-6002

REQUIREMENT	RATING
Nominal Impedance (ohms)	50
Frequency Range (ghz)	DC-18.0
Voltage Rating (max. vrms)	335
Temperature Rating (degrees centigrade)	-65 To +165
VSWR (max.)	1.05+.005 xFGHz
Insertion Loss (dB max.)	.05 $x\sqrt{FGHz}$
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) Outer Contact (max. milliohms)	 3.0 2.0
Center Contact Axial Forces Insertion (max. ounces) Withdrawal (min. ounces)	 24.0 2.0
Connector Durability (min. cycles)	500
Connector Engagement & Disengagement (max. inch lbs.)	TYPE PN: 6.0 / SMA: 2.0

REQUIREMENT	RATING
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 ($-65^{o}c$ To + $200^{o}c$)
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)
Hermeticity	N/A
CAPTIVATION: Center Contact: (Min. Axial Force)	 6.0

REMARKS: 1.) RECOMMENDED MATING TORQUE: PN 35-40 INCH POUNDS
SMA 7-10 INCH POUNDS

TITLE		DRAWING NO.	REV
SMA, PLUG TO TYPE PN, JACK, FLANGE MOUNT ADAPTER	SOLITRON/MICROWAVE PORT SALERNO, FLORIDA	SHEET 2 OF 2	SF1110-6002	-