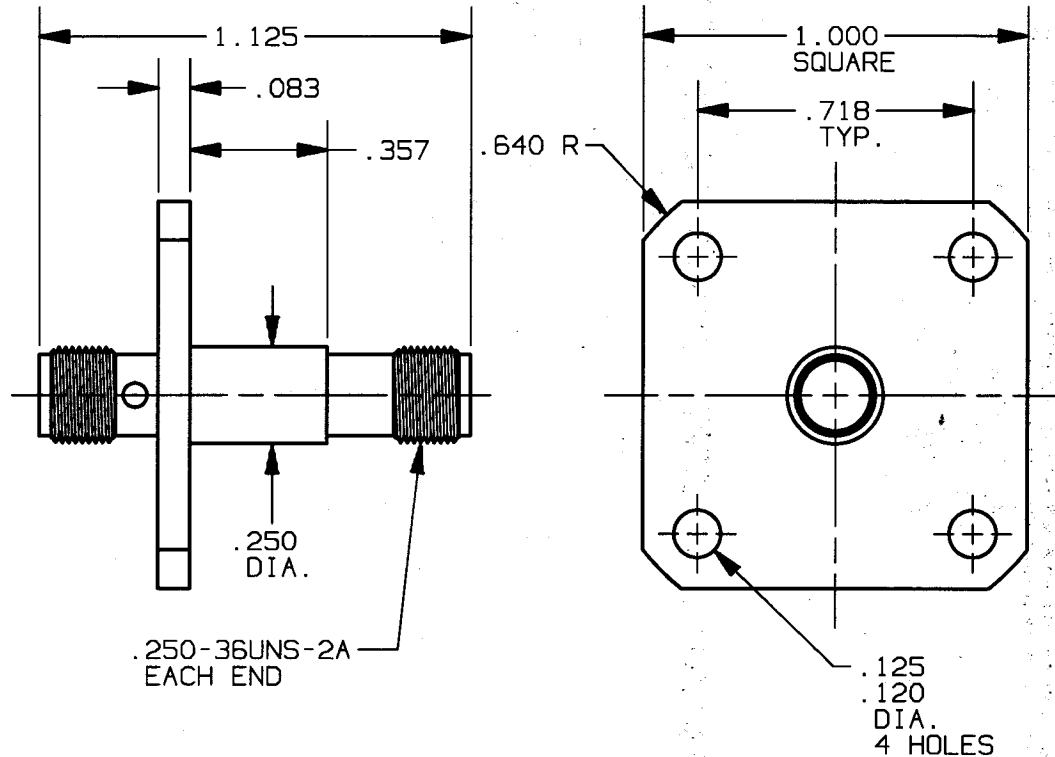


# ENG. FILE COPY

## CONFIGURATION (TOLERANCE ±.005 UNLESS OTHERWISE SPECIFIED)



SMA JACK TO JACK PANEL ADAPTER

DWG. NO.

SF2991-6038

### ELECTRICAL:

NOMINAL IMPEDANCE (OHMS)	50
FREQUENCY RANGE (GHZ)	DC TO 18.0
VOLTAGE RATING (MAX. VRMS)	335
VSWR (MAX.)	1.10 + .01 (FGHz)
INSERTION LOSS (x $\sqrt{\text{FGHz}}$ = DB MAX.)	.04
RF LEAKAGE (MIN. DB DOWN)	-60
RF HIGH POTENTIAL (MAX. VRMS)	670 AT 5 MHz
DIELECTRIC WITHSTANDING VOLT. (MAX. VRMS)	1000
INSULATION RESISTANCE (MIN. MEGOHMS)	5000
CONTACT RESISTANCE:	
CENTER CONTACT (MAX. MILLIOHMS)	3.0
OUTER CONTACT (MAX. MILLIOHMS)	2.0

### MECHANICAL: PER MIL-C-39012/SMA SERIES, MIL-STD-348, AND S/V MD-107

INTERFACE DIMENSIONS	7 - 10 IN. LBS.
RECOMMENDED MATING TORQUE	7 - 10 IN. LBS.
CENTER CONTACT AXIAL FORCES:	
INSERTION (MAX. OUNCES)	32
WITHDRAWAL (MIN. OUNCES)	1.0
CONNECTOR DURABILITY (MIN. CYCLES)	500
CONNECTOR ENGAGEMENT & DISENGAGEMENT (MAX. INCH LBS.) TORQUE	2.0

### ENVIRONMENTAL:

TEMP. RATING (DEGREES CENTIGRADE)	-65° TO +125°C
VIBRATION (MIL-STD-202, METHOD 204, CONDITION D, 20G'S)	
SHOCK (MIL-STD-202, METHOD 213, COND. I, 100G'S)	
TEMP. CYCLING (MIL-STD-202, METHOD 102, COND. C, -65c TO +125° C)	
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

### MATERIAL & FINISH:

BODY : STAINLESS STEEL PER AMS-5640, UNS S30300, TYPE 1, PASSIVATED PER QQ-P-35C, TYPE II.

CONTACT: BERYLLIUM COPPER PER ASTM-B196, COND. TD04, ALLOY, UNS-C17300, GOLD PLATED PER MIL-G-45204, TYPE 1, GRADE C, CLASS 1; OVER NICKEL PER QQ-N-290, CLASS 1.

INSULATOR: TEFLON PER ASTM-1457.

SYM.	DESCRIPTION	DATE	APPR.	DRAWN:	APPROVED:	SOLITRON/VECTOR 3301 ELECTRONICS WAY WEST PALM BEACH, FL 33407	DWG. NO. SF2991-6038
—	REL. DCN 22417	3/96	<i>[Signature]</i>	DMB	<i>[Signature]</i>		
				DATE 3/22/96	DATE 3/28/96		