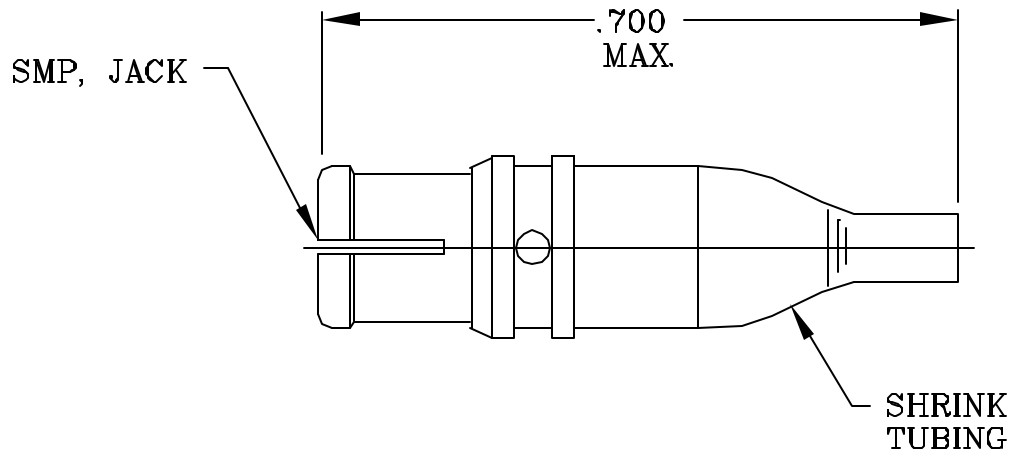


# SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A, Fig. 326.1  
AND DYNAWAVE SPECIFICATION MD-20.

## 2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 26.5 GHz
VSWR (MAX) *	1.05 + .010 x FGHz.
INSERTION LOSS (dB MAX) *	.050 dB x $\sqrt{\text{FGHz}}$ .
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	85 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-85 ° c TO +150 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500
INSULATION RESISTANCE (MIN. MEGOHMS)	2,500
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	4.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

\* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
-	1038	12/93	M.B.	.X ± .030	±/64	X° ± 15'	
A	1048	12/93	G.L.	.XX ± .010 .XXX ± .005		X° X' ± 15"	
AA	05-1831	8/19/05	TS	SURFACE ROUGHNESS 89 ✓ MIL-STD 10.			TITLE DYNAPAC, JACK CRIMP TO RG/174,188,316 CABLE
				DRAWN	M.B.	DATE 12/93	
				APPROVED		DATE 12/93	DWG. NO. 2000-1630-5435
				CODE IDENT.		SHEET 1 OF 2	
				2J899			

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ 3.5 LBS.
- MIN. RADIAL TORQUE \_\_\_\_\_ N/A

### CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX. LBS.) \_\_\_\_\_ 10.0
- WITHDRAWAL (MIN. LBS.) \_\_\_\_\_ 2.0

CONNECTOR DURABILITY (MIN. MATING) \_\_\_\_\_ 250

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 102, COND. C ( -65 ° c TO + 165 ° c )  
SHOCK \_\_\_\_\_ MIL-STD-202, METHOD 213, COND. I (100 G's)  
VIBRATION \_\_\_\_\_ MIL-STD-202, METHOD 204, COND. D (20 G's)  
MOISTURE RESISTANCE \_\_\_\_\_ MIL-STD-202, METHOD 106, LESS STEP 7b  
CORROSION \_\_\_\_\_ MIL-STD-202, METHOD 101, COND. B (48 HOURS)  
BAROMETRIC PRESSURE (ALTITUDE) \_\_\_\_\_ MIL-STD-202, METHOD 105, COND. C ( 70,000 FT. ) ( 125 VRMS )

## 5. MATERIAL

CONNECTOR BODY AND CENTER CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY  
No. UNS C17300, TEMPER T004.

INSULATOR \_\_\_\_\_ TEFLON PER ASTM D-1710

## 6. FINISH

CONNECTOR BODY \_\_\_\_\_ GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 1.25 (.00005 MIN. THK.)  
OVER NICKEL PER MIL-P-27418 (.00016 MIN. THK.)  
OVER NICKEL (WOODS OR WATTS), (.00001 MIN. THK.)

CENTER CONTACT \_\_\_\_\_ GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 2.5  
(.00010 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1  
(.000050 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

INSULATOR \_\_\_\_\_ N/A



SHEET 2 OF 2

DWG.  
NO.

2000-1630-5435

REV.

AA