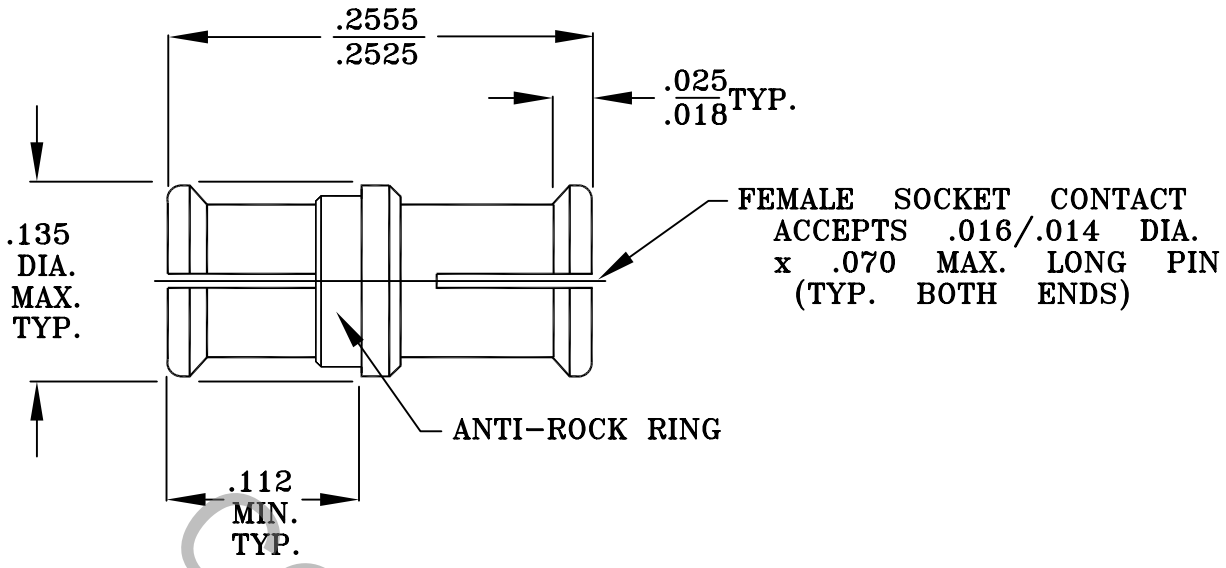
SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER DESC DWG. 94007 FIG. 3, (SMP SERIES) AND DYNWAVE SPECIFICATION MD-20.

2. ELECTRICAL

FREQUENCY RANGE (DC TO 23.0 GHz.) *	VSWR 1.10 MAX.
FREQUENCY RANGE (23.0 TO 26.5 GHz.) *	VSWR 1.15 MAX.
FREQUENCY RANGE (26.5 TO 40.0 GHz.) *	VSWR 1.40 MAX.
INSERTION LOSS (dB MAX.)	.10 dB x $\sqrt{FGHz.}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS) (OVER FREQ. RANGE)	170 @ SEA LEVEL 45 @ 70,000 FEET
RF LEAKAGE (MIN. dB DOWN)	80 dB (3 GHz. MAX.) 65 dB (26.5 GHz. MAX.)
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° c TO + 165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500 @ SEA LEVEL 125 @ 70,000 FEET
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

*TESTED IN ACCORDANCE WITH DESC 94007

REV.	DCN NO.	DATE	APP.
AA	97-0521	9/16/97	DGG
AB	97-0606	10/23/97	DGG
AC	98-0408	5/29/98	DGG

DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS: .X ± .030, .XX ± .010, .XXX ± .005
FRACTIONAL: ± 1/64
ANGULAR: X° ± 1°0', X°X' ± 15'
SURFACE ROUGHNESS 63 √ MIL-STD 10.

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN TS DATE 9/16/97

APPROVED DGG DATE 9/16/97

TITLE "DYNAPAC" INTERCONNECT ADAPTER JACK TO JACK

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 1100-2020-5455

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT
- MIN. AXIAL FORCE — 1.5 LBS.
- MIN. RADIAL TORQUE — N/A

RADIAL MISALIGNMENT — .010 MIN.

AXIAL MISALIGNMENT — .010 MIN.

CONNECTOR DURABILITY (MIN. MATING) —
- A.) FULL DETENT — 100
- B.) LIMITED DETENT — 500
- C.) SMOOTH BORE — 1000

4. ENVIRONMENTAL

THERMAL SHOCK	MIL–STD–202, METHOD 107, COND. B (HIGH TEMP. +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, 1000 MEGOHMS MINIMUM WITHIN 5 MINUTES.
CORONA (70,000 FEET)	190 VRMS
RF HIGH POTENTIAL MIN. VOLTS	325 VRMS @ SEA LEVEL, FREQ. 5 MHz.
VIBRATION, RANDOM	MIL–STD 202, METHOD 214, TEST CONDITION F

5. MATERIAL

CONNECTOR BODY, CENTER CONTACT AND ANTI–ROCK RING	BERYLLIUM COPPER PER ASTM B196–90, COPPER ALLOY No. UNS C17300, TEMPER TD04.
INSULATOR	TEFLON PER ASTM D 1710.

6. FINISH

CONNECTOR BODY, CENTER CONTACT AND ANTI–ROCK RING	GOLD PER MIL–G–45204, TYPE II, GRADE C, CLASS 1 (.000050 MIN.) OVER NICKEL PER QQ–N–290 (.000050 MIN.)
INSULATOR	N/A