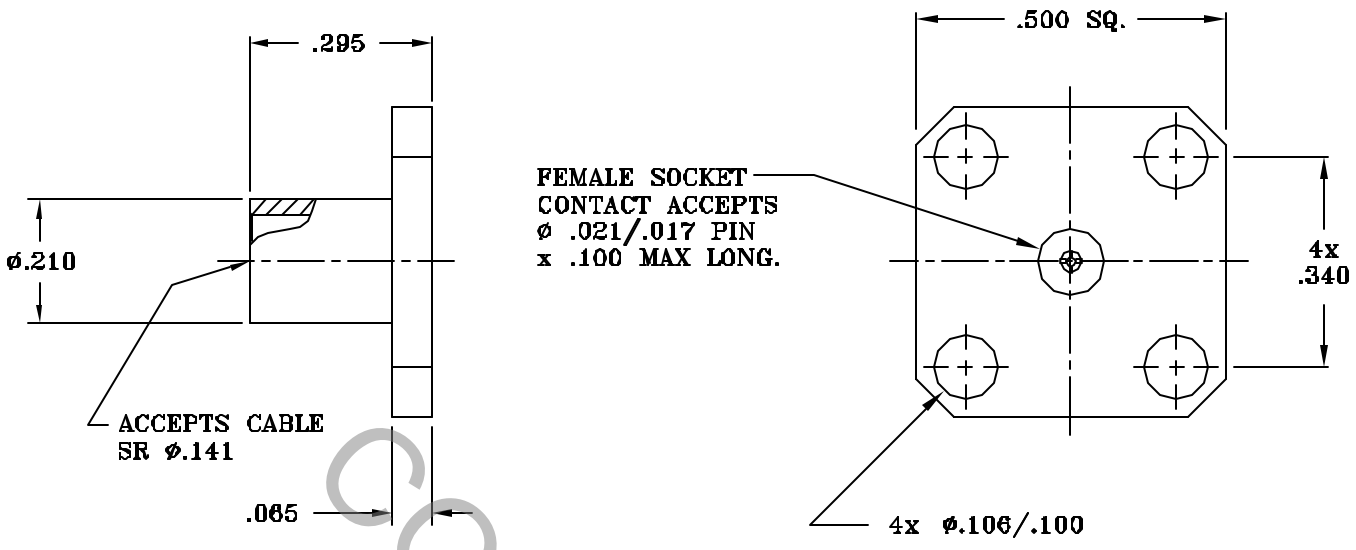
SPECIFICATION CONTROL DRAWING



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1. MATING NOT APPLICABLE

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 26.5 GHz.
VSWR (MAX.) ❁	1.05 + .010 x FGHz.
INSERTION LOSS (dB MAX.)	.030 dB x $\sqrt{\text{FGHz.}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° c TO + 165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	750
INSULATION RESISTANCE (MIN. MEGOHMS)	5000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	8.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

❁ TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
AA	04-1740	6/9/04	MRH
AB	04-1761		

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ±.030 .XX ±.010 .XXX ±.005	±1/64	X° ± 1° 0' X° X' ±15'

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN SS DATE 6/9/04

APPROVED MRH DATE 6/9/04

TITLE
DIRECT ATTACHMENT
FOR SR 141
(4) HOLE FLANGE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 6954-4120-6420

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT

- MIN. AXIAL FORCE — 4.5 LBS.
- MIN. RADIAL TORQUE — 4.0 IN–OZ

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) — 32.0
- WITHDRAWAL (MIN. OUNCES) — 1.5

CONNECTOR DURABILITY (MIN. CYCLES) — 500

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–65 ° c TO + 200 °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.) (190 VRMS)

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5. MATERIAL

CONNECTOR BODY	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.
CONTACT	BERYLLIUM COPPER PER ASTM B196–90, ALLOY UNS–C17300, TEMPER TD04
INSULATOR	TEFLON PER ASTM D 4894–91

6. FINISH

CONNECTOR BODY	GOLD PER ATSM B 488, TYPE I, CODE C., CLASS 1.25; OVER NICKEL PER QQ–N–290, CLASS 1 OVER WOODS OR WATTS NICKEL
CONTACT	GOLD PER MIL–G–45204, TYPE II, GRADE C., CLASS 2; OVER NICKEL PER QQ–N–290, CLASS 1 (.00010 MIN) OVER COPPER PER MIL–C–14550, CLASS 4.
INSULATOR	N/A