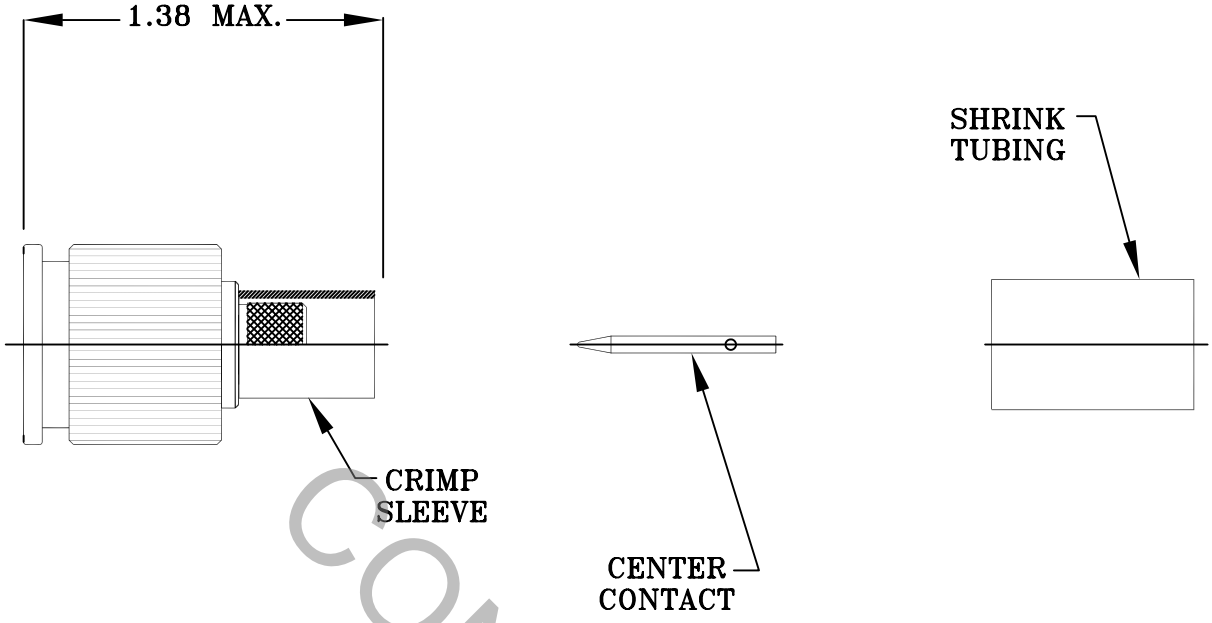
SPECIFICATION CONTROL DRAWING



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1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A, Fig. 313.1

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 3.0 GHz.
VSWR (MAX.) ❋	1.25
INSERTION LOSS (dB MAX.)❋	.18 dB MAX.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	500
RF LEAKAGE (MIN. dB DOWN)	60 dB – FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	−65°c TO + 135°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	2.0
• OUTER CONTACT (MAX. MILLIOHMS)	3.0

❋ TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
AA	06-1706	6/1/06	TS

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	TS	DATE	6/1/06
APPROVED	DC	DATE	6/1/06

TITLE
TNC, PLUG
STRAIGHT, CRIMP ATTACHMENT
RG 174/U, 179, 187, 188, 316 CABLE

CODE IDENT.	SHEET 1 OF 2
2J899	

DWG. NO. 8400-1631-2301

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT
- MAX.AXIAL FORCE — 6.0 LBS.
- MAX. RADIAL TORQUE — 4. O IN. OZ.

CENTER CONTACT AXIAL FORCES
- INSERTION (MAX. OUNCES) — N/A
- WITHDRAWAL (MIN. OUNCES) — N/A

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) — 2.0

CONNECTOR DURABILITY (MIN. CYCLES) — 1,000

RECOMMENDED MATING TORQUE — 12 – 15 IN. LBS.

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.) (375 VRMS)

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5. MATERIAL

CONNECTER BODY, CENTER CONTACT AND COUPLING NUT	BRASS PER ASTM B16, TEMPER H02, ALLOY C36000.
RETAINING RING	BERYLLIUM COPPER PER ASTM B196–90, COPPER ALLOY No. UNS–C17300, TEMPER TD04.
CRIMP SLEEVE	BRASS PER ASTM B16, TEMPER H02, ALLOY C36000, ANNELED.
INSULATOR	TEFLON PER ASTM D 1710.
GASKET	SILICONE PER ZZ–R–765E, CLASS 1.

6. FINISH

CONNECTOR BODY	**GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 1.25 (.000050 MIN. THK.) OVER NICKEL PER QQ–N–290 (.000050 MIN. THK.) OVER COPPER PER MIL–C–14550 (.000010 MIN. THK.)**
CONTACT	**GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 2.5 (.000100 MIN. THK.) OVER NICKEL PER QQ–N–290 (.000050 MIN. THK.) OVER COPPER PER MIL–C–14550 (.000010 MIN. THK.)**
COUPLING NUT AND CRIMP SLEEVE	**NICKEL PER QQ–N–290, CLASS 1.**
INSULATOR, RETAINING RING AND GASKET	N/A