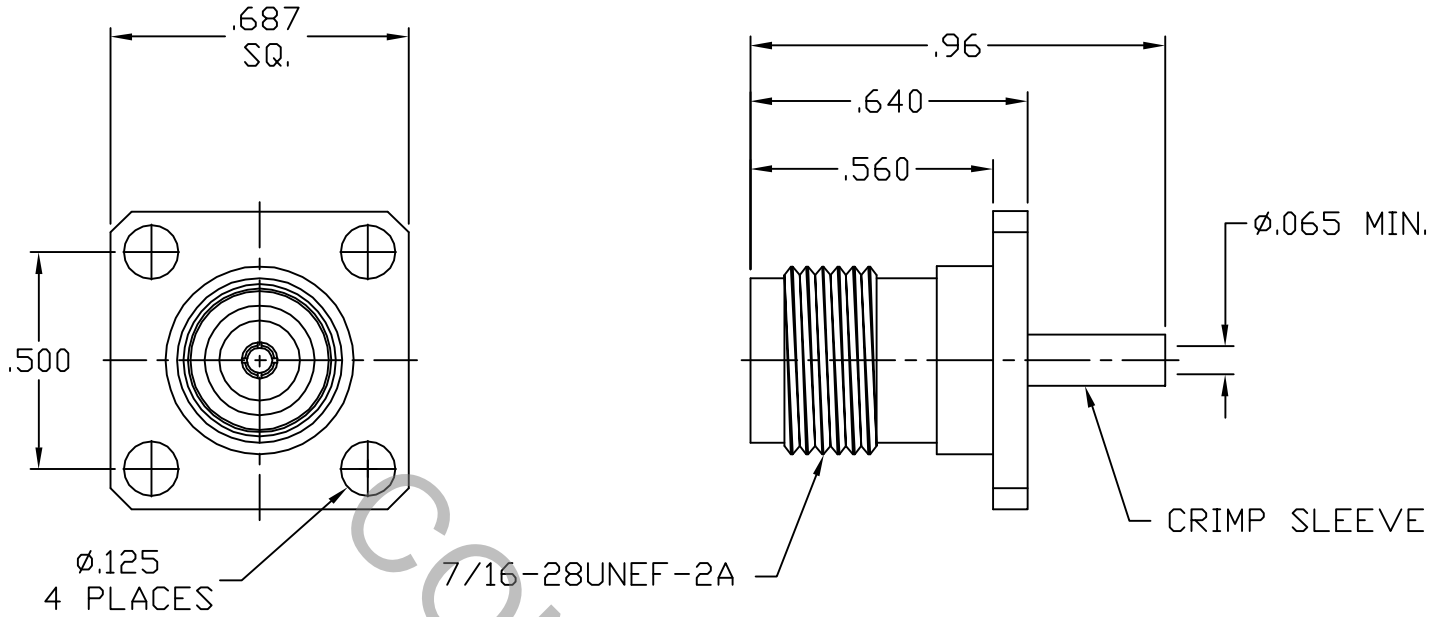


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A, Fig. 313-2, (TNC, JACK)

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 11.0 GHz.
VSWR (MAX.) *	1.07 +.008 x FGHz.
INSERTION LOSS (dB MAX.) *	.05 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)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	3.0
• 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	
AA	06-2199	9/28/06	TS	.X ± .030 .XX ± .010 .XXX ± .005	±1/64	X° ± 1'0" X° X' ± 15'	TITLE TNC JACK, 4 HOLE FLANGE, CRIMP ATTACHMENT RG174/U, 179, 187, 188, 316 FLEXIBLE CABLE
AB	06-2221	10/3/06	TS	SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10.}}$			
AC	06-2264	10/12/06	DC	DRAWN TS DATE 9/28/06			DWG. NO. 8554-1630-2700
				APPROVED DC DATE 9/28/06			
				CODE IDENT.	SHEET 1 OF 2		
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 6.0 LBS.
- MIN. RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) _____ 32.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

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

CONNECTOR DURABILITY (MIN. MATING) _____ 500

RECOMMENDED MATING TORQUE _____ 30 - 35 IN. LBS.

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)

5. MATERIAL

CONNECTOR BODY AND CRIMP SLEEVE _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000.

CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM-B-196,COPPER ALLOY
UNS-C-17300, TEMPER TD04

INSULATOR _____ TEFLON PER ASTM D 1710

6. FINISH

CONNECTOR BODY _____ NICKEL PLATE PER QQ-N-290, CLASS 1 (.00020 MIN. THK.)

CENTER 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.)

CRIMP SLEEVE _____ GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 1.25
(.000050 MIN. THK.) OVER NICKEL PER QQ-N-290
(.000150 MIN. THK.) OVER COPPER PER MIL-C-14550
(.000010 MIN.THK.)

INSULATOR _____ N/A