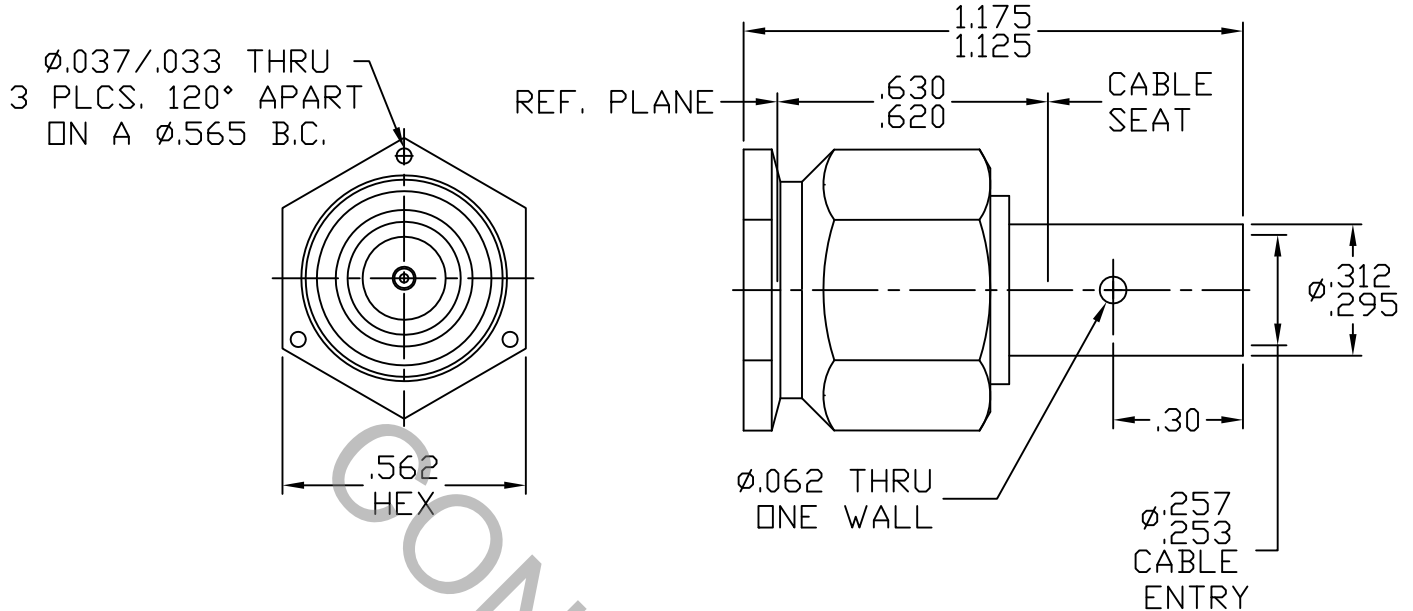


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS MIL-STD-348 Fig. 313.1 (TNC PLUG) WITH SOLID OUTER.


2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz
VSWR (MAX.) *	_____	$1.07 + .010 \times \sqrt{\text{FGHz}}$
INSERTION LOSS (dB MAX.) *	_____	$-.05 \text{ dB} \times \sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	500
RF LEAKAGE (MIN. dB DOWN)	_____	$-100 \text{ dB} - \text{FGHz}$
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO $+165^\circ\text{C}$
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1,500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	2.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	1.0

* TERMINATED IN A 50 OHM LOAD

RoHS

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REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
-	944	3/93	GL	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X ° ± 1° 0' X ° X' ± 15'	TITLE KTNC PLUG, DIRECT SOLDER, $\phi .250$ SEMI-RIGID (CAPTURED CONTACT)
A	939	4/93	MB				
B	1074	7/93	TS	DRAWN GL DATE 3/93			
BA	14-2101	9/4/14	TS	APPROVED DGG DATE 3/93			
				CODE IDENT.			DWG. NO. 8400-2521-6217
				2J899	SHEET 1 OF 2		

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE _____ 6.0 LBS.

MAX RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX OUNCES) _____ N/A

● WITHDRAWAL (MIN. OUNCES) _____ N/A

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 30 - 35 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)

5. MATERIAL

BODY AND COUPLING NUT _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

CONTACT AND RETAINING RING _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
No. UNS-C17300, TEMPER TD04.

INSULATOR _____ TEFLON PER ASTM-D-1710.

GASKET _____ RUBBER FLOROCARBON PER MIL-R-83248/1, CO; OR BLACK

6. FINISH

BODY _____ GOLD PER ASTM-B-488, TYPE II, CODE C, CLASS 1.25
(.000050 MIN. THK) OVER NICKEL PER MIL-C-26074, CLASS 1
(.000150 MIN. THK) OVER NICKEL WOODS OR WATTS
(.000010 MIN. THK.)

COUPLING NUT _____ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.

CONTACT _____ GOLD PER ASTM B 488, TYPE II, CODE C, CLASS 1.27
(.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1
(.000050 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)

INSULATOR, GASKET AND RETAINING RING _____ N/A