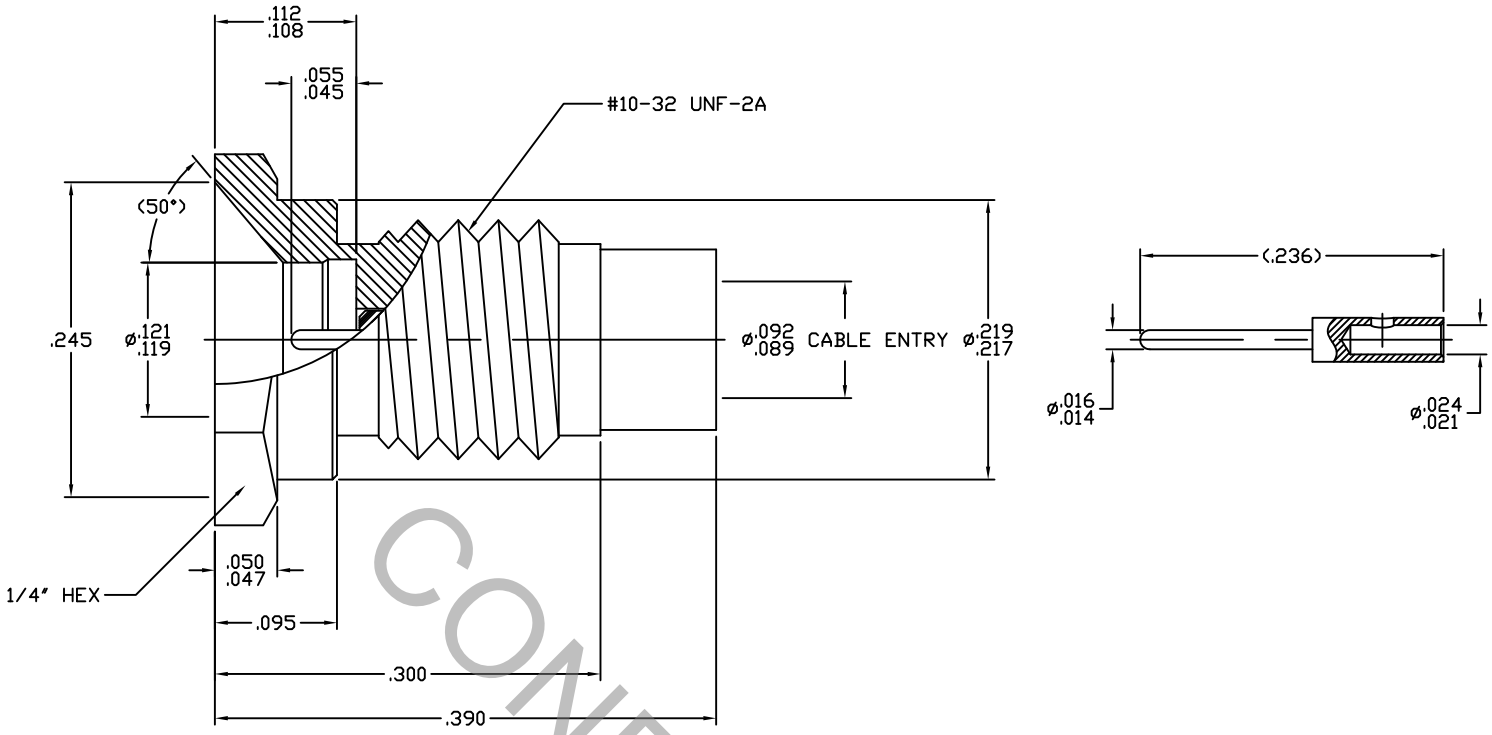
SPECIFICATION CONTROL DRAWING



CONFIDENTIAL

1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A-326.3

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 26.5 GHz.
VSWR (MAX.) ❋	1.05 + .006 x FGHz.
INSERTION LOSS (dB MAX.) ❋	.045 dB x $\sqrt{F}$GHz.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° c TO +150° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500
INSULATION RESISTANCE (MIN. MEGOHMS)	2,500
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	3.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

❋ TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.
-	1164	7/95	TS
AA	97-0671	11/13/97	DGG
BA	98-0299	4/15/98	GL
BB	98-0710	8/3/98	DGG
CA	02-0069	1/24/02	TS
CB	03-2555	12/9/03	DC
CC	08-1405	4/11/08	DC

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.

DRAWN TS DATE 7/95

APPROVED TS DATE 7/95

CODE IDENT. 2J899

SHEET 1 OF 2

dynawave INCORPORATED
HAVERHILL, MA 01835

TITLE
SMP MALE
SCREW-IN BUSHING
DIRECT SOLDER TO .085 S.R.
CABLE (LIMITED DETENT/TAPER)

DWG. NO. 2137-8520-6432

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

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

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

CONNECTOR ENGAGEMENT (MAX. LBS.)/DISENGAGEMENT (MIN. LBS.) — 10 LBS. / 1.5 LBS.

CONNECTOR DURABILITY (MIN. CYCLES) — 100

RECOMMENDED MATING TORQUE

INTERFACE — N/A

INSTALLATION TORQUE (#10–32UNC–2A THREAD) — 7.0 TO 10.0 IN./LBS.

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4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–65 ° c TO + 190 °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.) (125 VRMS)

5. MATERIAL

CONNECTOR BODY AND PRESS SLEEVE	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY UNS C17300.
INSULATOR	TEFLON PER ASTM D 4894–91

6. FINISH

CONNECTOR BODY AND PRESS SLEEVE	GOLD PER MIL–G–45204, TYPE I, GRADE C, (.000030–.000050 THK.) OVER NICKEL PER QQ–N–290, CLASS 1, (.000050–.000150 THK.)
CENTER CONTACT	GOLD PER MIL–G–45204, TYPE I, GRADE C, CLASS 0 (.000030–.000055 THK.) OVER NICKEL PER QQ–N–290, CLASS 1 (.000050–.000075 THK.) OVER COPPER PER MIL–C–14550 (.000010 MIN.)
INSULATOR	N/A