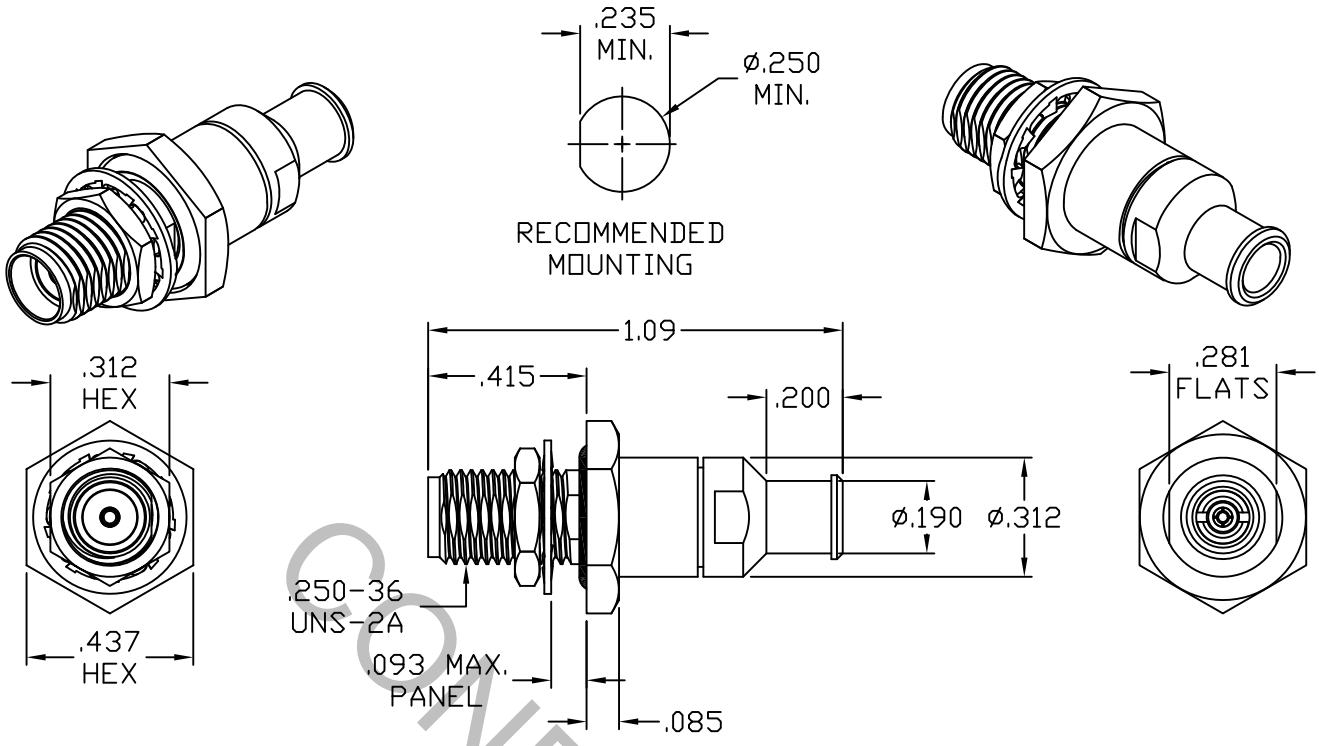
SPECIFICATION CONTROL DRAWING



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1. MATING INTERFACE DIMENSIONS PER MIL-STD-348 Fig. 310.2 (SMA JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 26.5 GHz
VSWR (MAX.) ❋	1.05 + .004 x FGHz
INSERTION LOSS (dB MAX.) ❋	.03 dB x $\sqrt{\ }$ FGHz
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	167
RF LEAKAGE (MIN. dB DOWN)	100 dB − FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	−65 ° c TO + 165 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

❋ TERMINATED IN A 50 OHM LOAD

RoHS COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.
AA	17-1294	3/2/17	DC

DIMENSIONS ARE IN INCHES
TOLERANCES

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

dynawave CABLE INCORPORATED
HAVERHILL MA. 01835

DRAWN RMS DATE 3/2/17

APPROVED DC DATE 3/2/17

TITLE SMA, JACK, BULKHEAD SOLDER CLAMP PLUG-IN FOR DF150 LOW LOSS CABLE

CODE IDENT. 6DZL5

SHEET 1 OF 2

DWG. NO. 9910-150H-6240

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT	
MAX. AXIAL FORCE	6.0 LBS.
MAX. RADIAL TORQUE	4.0 IN. OZ.
CENTER CONTACT AXIAL FORCES	
● INSERTION (MAX. OUNCES)	INTERFACE 32.0
● WITHDRAWAL (MIN. OUNCES)	INTERFACE 2.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT(MAX. IN. LBS.)	2.0
CONNECTOR DURABILITY (MIN. CYCLES)	500
RECOMMENDED MATING TORQUE	7 - 10 IN. LBS.
RECOMMENDED MOUNTING TORQUE	18 - 22 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL-STD-202, METHOD 102, COND. C (-55° c TO + 125° 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)

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5. MATERIAL

BODY, PRESS SLEEVE, CLAMP NUT & HEX NUT	STAINLESS STEEL PER AMS A 582, TYPE 303, COND. A
LOCKWASHER	STAINLESS STEEL PER AMS-5640, TYPE 410, COND. A
CONTACT	BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY No. UNS 17300, TEMPER TD04.
SOLDER SLEEVE	BRASS PER ASTM B16, TEMPER H02, ALLOY C36000.
INSULATORS	TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.
O-RINGS	SILICONE RUBBER PER ZZ-R-765E CLASS 1.

6. FINISH

BODY, PRESS SLEEVE, CLAMP NUT, LOCKWASHER & HEXNUT	PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
SOLDER SLEEVE	GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1 (.000150 MIN. THK.) OVER COPPER PER AMS-2418 (.000010).
CONTACT	GOLD PER ASTM-B-488, TYPE I, 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.)
INSULATORS, O-RINGS	N/A