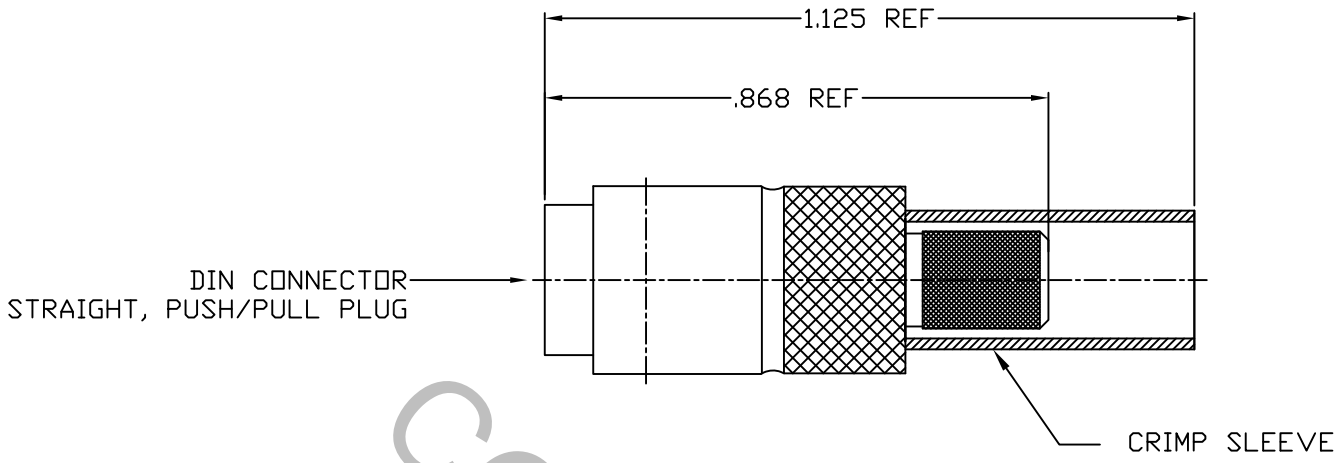
SPECIFICATION CONTROL DRAWING



CONFIDENTIAL

1. MATING INTERFACE DIMENSIONS FOR PLUG PER DYNAWAVE MD-13.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC-2.0 GHz.
VSWR (MAX.) ❋	1.20 MAX.
INSERTION LOSS (dB MAX.) ❋	0.2 dB MAX.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
TEMPERATURE RATING (DEGREES CENTIGRADE)	-40 ° c TO +105 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	750
INSULATION RESISTANCE (MIN. MEGOHMS)	1,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	10.0
• OUTER CONTACT (MAX. MILLIOHMS)	3.0

❋ TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.
AA	01-0875	11/12/01	TS

DIMENSIONS ARE IN INCHES
TOLERANCES

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

SURFACE ROUGHNESS 63 √ MIL-STD 10.

dynawave INCORPORATED
HAVERHILL, MA 01835

DRAWN RF DATE 11/12/01

APPROVED TS DATE 11/12/01

TITLE
DIN CONNECTOR
STRAIGHT, PUSH/PULL PLUG
FOR WP-93385 CABLE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 1300-4230-2700

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT	
• MIN. AXIAL FORCE	3.0 lbs.
• MIN. RADIAL TORQUE	N/A
CENTER CONTACT AXIAL FORCES	
• INSERTION (MAX. OUNCES)	14.0
• WITHDRAWAL (MIN. OUNCES)	.5
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.)	4.0/1.0
CONNECTOR DURABILITY (MIN. CYCLES)	500
RECOMMENDED MATING TORQUE	N/A

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)

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5. MATERIAL

SPRINGS & BALL BEARINGS	STAINLESS
OUTER CONTACT	BERYLLIUM COPPER PER ASTM B196–90, COPPER ALLOY No. UNS C17300, TEMPER TD04.
INSULATOR	TEFLON PER ASTM–D1710.
INNER & OUTER BODY, CENTER CONTACT, CRIMP SLEEVE, PRESS RING	BRASS PER ASTM B16, TEMPER H02, ALLOY C36000

6. FINISH

SPRINGS & BALL BEARINGS	PASSIVATE
OUTER CONTACT	GOLD PER ASTM B 488, TYPE 2, CODE C, CLASS 2.5 (.00010 MIN. THK.) OVER NICKEL PER QQ–N–290 (.000050 MIN. THK.) OVER COPPER PER MIL–C–14550 (.000010 MIN. THK.)
INNER & OUTER BODY, CENTER CONTACT, CRIMP SLEEVE, PRESS RING	NICKEL PER QQ–N–290, CLASS 1, (.000200 MIN. THK.) ADD BRIGHTNERS TO OBTAIN APPEARANCE OVER COPPER PER MIL–C–14550 (.000010 MIN. THK.)