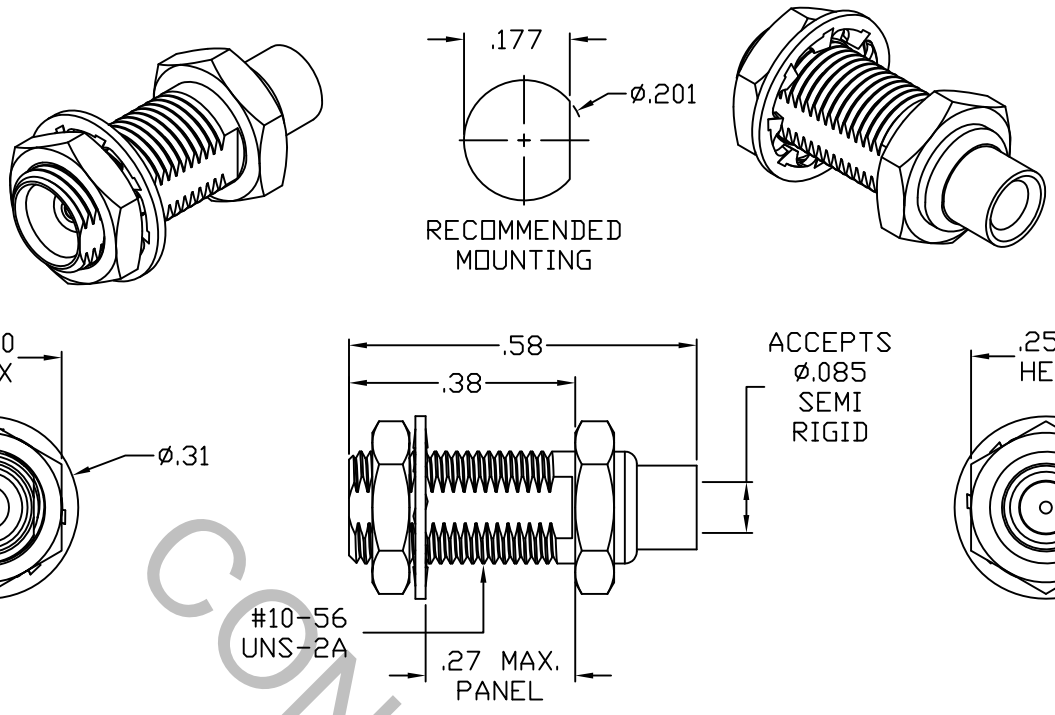
SPECIFICATION CONTROL DRAWING



CONFIDENTIAL

1. MATING INTERFACE DIMENSIONS PER CECC 22220 (MCX JACK)

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 6.0 GHz.
VSWR (MAX.) ❋	1.35:1 MAX.
INSERTION LOSS (dB MAX.)	.10 x $\sqrt{FGHz}$.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	60 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)	5.0
• OUTER CONTACT (MAX. MILLIOHMS)	1.0

❋ TERMINATED IN A 50 OHM LOAD

RoHS COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.
AA	15-2686	11/19/15	DC

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 RMS DATE 11/18/15

APP. DC DATE 11/19/15

TITLE: MCX, JACK BULKHEAD, MOUNT DIRECT SOLDER TO ø.085 SEMI-RIGID CABLE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 1610-8520-2300

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

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

CONNECTOR ENGAGEMENT FORCES
- INSERTION (MAX. LBS.) ——— 5.6 LBS.
- WITHDRAWAL (MAX. LBS.) ——— 4.5 LBS.

CONNECTOR DURABILITY (MIN. MATING) ——— 500

CENTER CONTACT ENGAGEMENT/DISENGAGEMENT (MAX. OZ.)

INSERTION (MAX. OUNCES) ——— 32.0

WITHDRAWAL (MIN. OUNCES) ——— 1.0

CONNECTOR INSTALLATION TORQUE:

PACKAGE ——— 6.0 TO 8.0 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.) (190 VRMS)

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5. MATERIAL

BODY, HEX NUT & LOCK WASHER	BRASS
CONTACT	BERYLLIUM COPPER
INSULATORS	TEFLON

6. FINISH

BODY, CONTACT, HEX NUT & LOCK WASHER	GOLD
INSULATORS	N/A