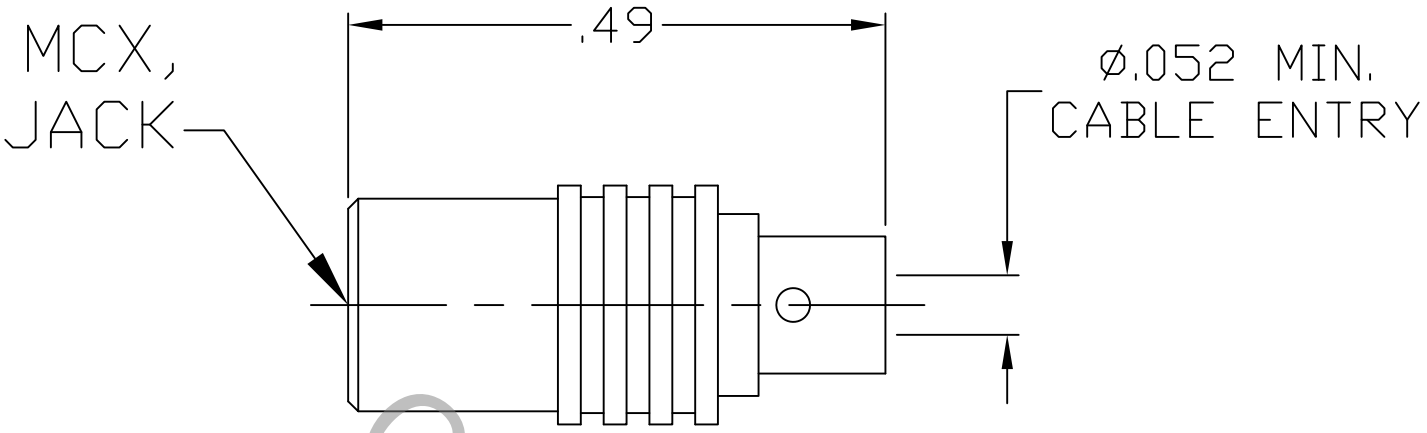
SPECIFICATION CONTROL DRAWING



CONFIDENTIAL

1. MATING INTERFACE DIMENSIONS Per CECC 22220.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 6.0 GHz
VSWR (MAX.) ❋	1.15 + .015 x FGHz
INSERTION LOSS (dB MAX.) ❋	.10 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	125
RF LEAKAGE (MIN. dB DOWN)	−65 dB − FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	−65°c TO + 165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	375
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	5.0
• OUTER CONTACT (MAX. MILLIOHMS)	1.0

❋ TERMINATED IN A 50 OHM LOAD

RoHS COMPLIANT

REV.	DCN NO.	DATE	APP.
AA	10−1945	10/5/10	TS

DIMENSIONS ARE IN INCHES
TOLERANCES

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

dynawave INCORPORATED
HAVERHILL, MA 01835

DRAWN TS DATE 10/5/10

APPROVED DC DATE 10/5/10

TITLE
MCX JACK
DIRECT SOLDER TO
ø.047 SEMI−RIGID CABLE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 1600−4720−2400

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT	
MAX. AXIAL FORCE	N/A
MAX. RADIAL TORQUE	N/A
CENTER CONTACT AXIAL FORCES	
● INSERTION (MAX. OUNCES)	32.0
● WITHDRAWAL (MIN. OUNCES)	2.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.)	N/A
CONNECTOR DURABILITY (MIN. CYCLES)	500
RECOMMENDED MATING TORQUE	N/A

CONFIDENTIAL

4. ENVIRONMENTAL

THERMAL SHOCK	MIL–STD–202, METHOD 107, COND. B (–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.) (94 VRMS)

5. MATERIAL

BODY	BRASS PER ASTM–B–16, TEMPER H02, ALLOY C36000.
INSULATOR	TEFLON PER ASTM–D–1710–02, TYPE 1, GRADE 1, CLASS B.
CONTACT	BERYLLIUM COPPER PER ASTM–B–196/B, 196M–03, COPPER ALLOY No. UNS C17300, TEMPER TD04.

6. FINISH

BODY	GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 0.75 (.000030 MIN. THK.) OVER NICKEL PER SAE AMS QQ–N–290, CLASS 1 (.000050 MIN. THK.).
CONTACT	GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 0.75 (.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ–N–290, CLASS 1 (.000050 MIN. THK.).
INSULATOR	N/A