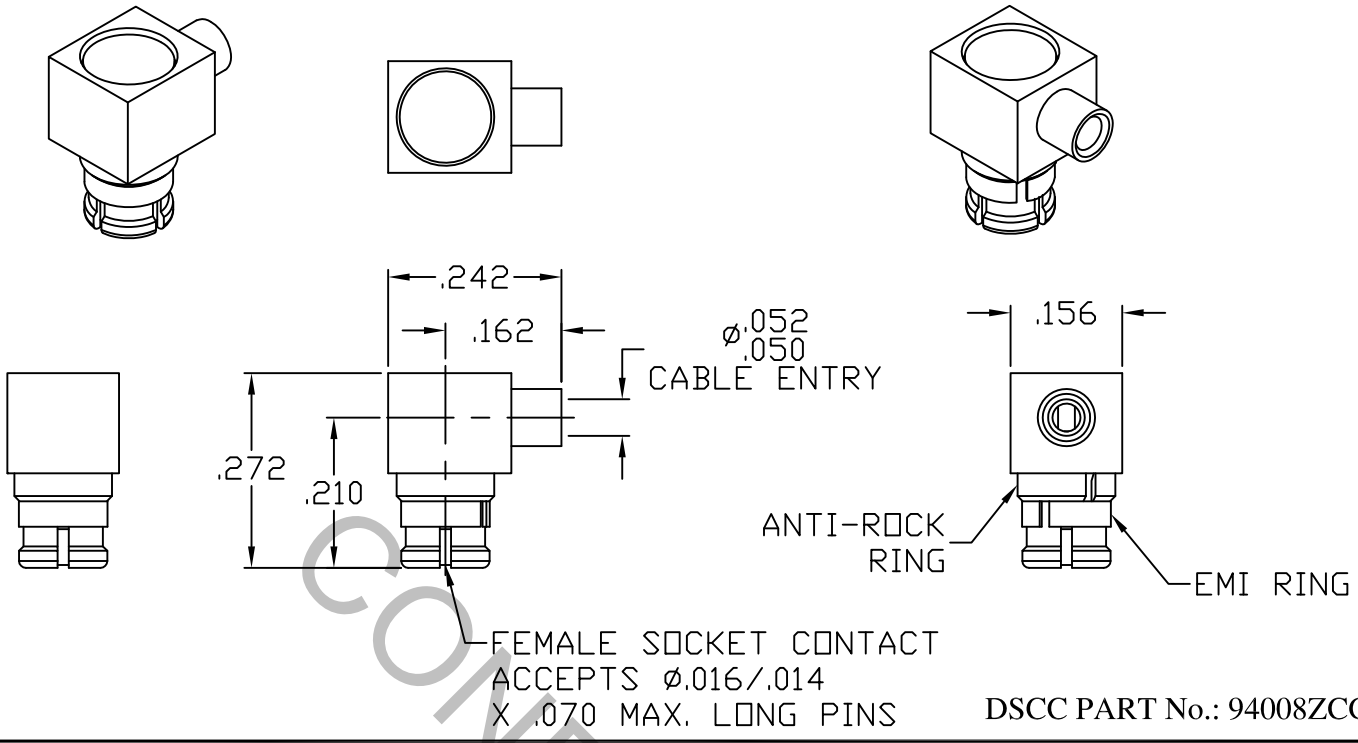
SPECIFICATION CONTROL DRAWING



DSCC PART No.: 94008ZCG-4

1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 326.1a (SMP FEMALE).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 12.5 GHz
VSWR (MAX.) ❋	1.35
INSERTION LOSS (dB MAX.) ❋	.12 dB x $\sqrt{FGHz}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	170
RF LEAKAGE (MIN. dB DOWN)	65 dB
TEMPERATURE RATING (DEGREES CENTIGRADE)	−65°c TO + 165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	375
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

REV.	DCN NO.	DATE	APP.
AA	98-0005	2/4/98	DGG
AB	98-0292	4/13/98	DGG
AC	98-0560	7/14/98	DGG
BA	98-1045	11/5/98	GL
BB	03-1320	3/7/03	DC
CA	15-2616	11/10/15	DC

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 2/2/98

APPROVED DGG DATE 2/4/98

TITLE
SMP FEMALE,
RIGHT ANGLE, DIRECT
SOLDER, ø.047 S/R

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 2001-4720-5444

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT

MIN. AXIAL FORCE	1.5 LBS.
MIN. RADIAL TORQUE	N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. POUNDS)	15.0*
● WITHDRAWAL (MIN. POUNDS)	5.0*
CONNECTOR DURABILITY (MIN. CYCLES)	100*

* FULL DETENT SHROUD.

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.) (95 VRMS)

5. MATERIAL

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

6. FINISH

BODY, CONTACT, ANTI–ROCK RING, EMI RING & CAP	GOLD PER ASTM–B–488, TYPE I, CODE C, CLASS 1.25 (.000050 MIN. THK.) OVER NICKEL PER SAE–AMS–QQ–N–290 CLASS 1 (.000100 MIN. THK.) OVER COPPER PER AMS–2418 (.000040 MIN. THK.)
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.)
INSULATOR	N/A