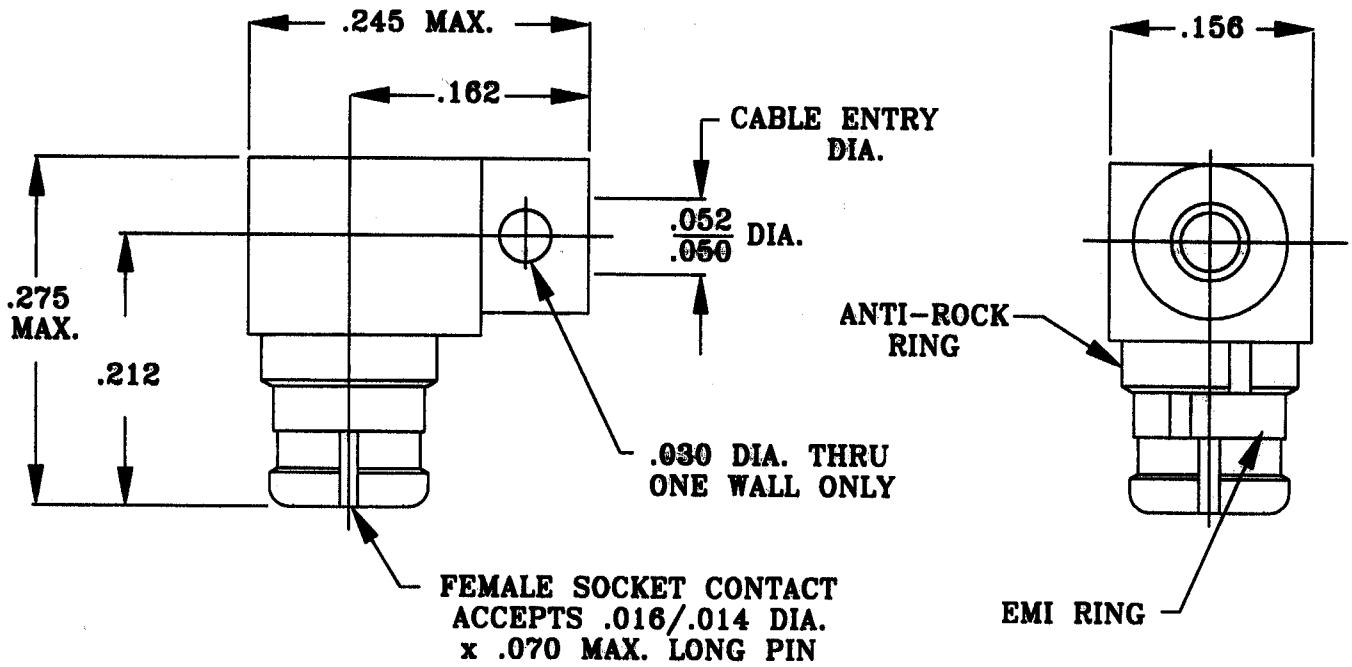


# SPECIFICATION CONTROL DRAWING



DSCC PART No.: 94008ZCG-4

1. MATING INTERFACE DIMENSIONS PER DSCC SPECIFICATION #94008 Fig. 3 AND DYNAWAVE SPECIFICATION MD-20-8.

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 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)	_____	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

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			GEORGETOWN MA. 01833
				DECIMALS	FRACTIONAL	ANGULAR	
AA	98-0005	2/4/98	DGG	X ± .030	± 1/64	X' ± 1° 0'	TITLE DYNAPAC, JACK RIGHT ANGLE, DIRECT SOLDER TO .047 S.R. CABLE
AB	98-0292	4/13/98	DGG	X ± .010		X' X' ± 15'	
AC	98-0580	7/14/98	DGG	DRAWN	TS	DATE 2/2/98	
BA	98-1045	11/5/98	←	APPROVED	DGG	DATE 2/4/98	
				CODE IDENT.	SHEET 1 OF 2		
				2J899	DWG. NO. 2001-4720-5444		

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

**CAPTIVATION-CENTER CONTACT**

- MIN. AXIAL FORCE \_\_\_\_\_ 1.5 LBS.
- MIN. RADIAL TORQUE \_\_\_\_\_ N/A

**CONNECTOR ENGAGEMENT FORCES**

- INSERTION (MAX. LBS.) \_\_\_\_\_ 15.0\*
- WITHDRAWAL (MIN. LBS.) \_\_\_\_\_ 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. ) ( 125 VRMS )

## 5. MATERIAL

- CONNECTOR BODY, CENTER CONTACT, \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY UNS C17300.
- ANTI-ROCK RING AND EMI RING \_\_\_\_\_
- INSULATOR \_\_\_\_\_ TEFLON PER ASTM D 4894-91
- CAP \_\_\_\_\_ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000

## 6. FINISH

- CONNECTOR BODY, CENTER CONTACT, \_\_\_\_\_ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 1 (.000050 MIN.)
- ANTI-ROCK RING, EMI RING AND CAP \_\_\_\_\_ OVER NICKEL PER QQ-N-290 CLASS 1 (.00015 MIN.)
- INSULATOR \_\_\_\_\_ N/A



SHEET 2 OF 2

DWG. NO.

2001-4720-5444

REV.

BA

DRAWING No.

2001-4720-5444

Approved

DGG

Drawn

T.S.

**dynamave**  
INCORPORATED

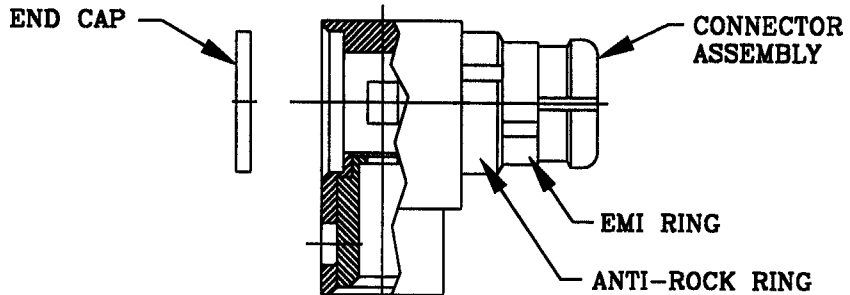
REV.	DCN NUMBER	DATE	APP.
AA	98-0005	2/4/98	DGG
BA	98-0560	6/29/98	D

# CABLE/CONNECTOR ASSEMBLY INSTRUCTIONS

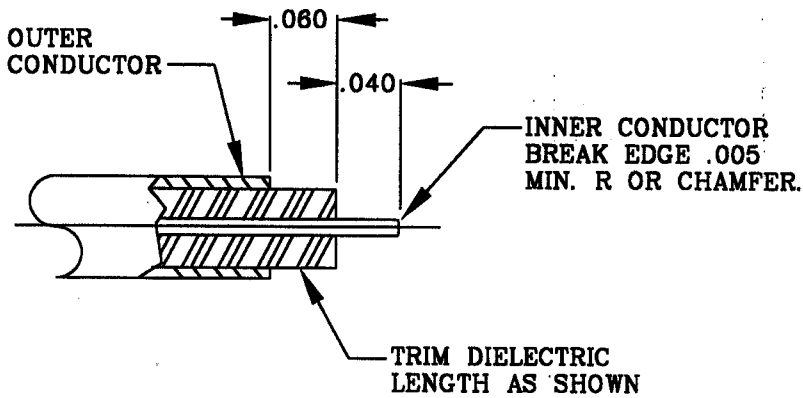
CONNECTOR TYPE: DYNAPAC, JACK, RIGHT ANGLE, DIRECT SOLDER

CABLE TYPE: STD. .047 SEMI-RIGID

## PARTS SUPPLIED



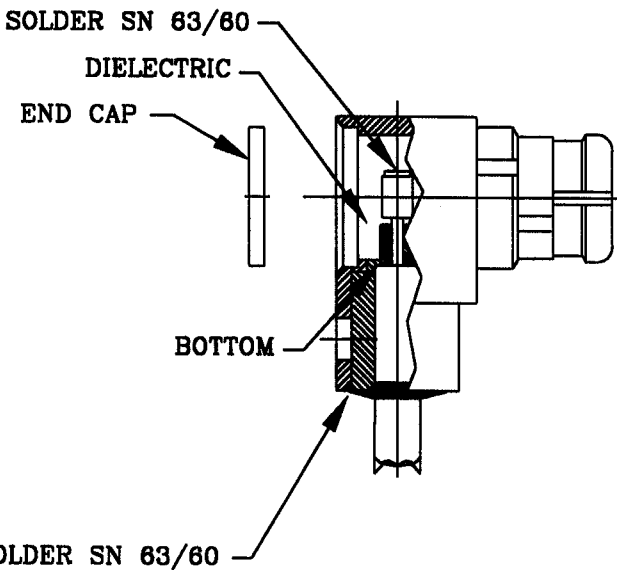
DSCC PART No. : 94008ZCG-4



### STEP 1: CABLE PREPARATION

TRIM OUTER CONDUCTOR AND DIELECTRIC TO DIMENSIONS SHOWN DO NOT EXCESSIVELY NICK THE INNER CONDUCTOR.

### STEP 2: CONTACT ATTACHMENT



SLIDE PREPARED CABLE INTO THE CONNECTOR BODY AND TAKE CARE THAT CABLE INNER CONDUCTOR PROPERLY MATES WITH CONNECTOR RIGHT ANGLE CONTACT. PROPERLY BOTTOM CABLE OUTER CONDUCTOR IN THE CONNECTOR BODY AND SOLDER THE INNER CONDUCTOR TO THE CONNECTOR RIGHT ANGLE CONTACT AS SHOWN USING A HOLDING FIXTURE IS RECOMMENDED. ASSEMBLE END CAP INTO BODY AND SOLDER (SN 63/60) OR EPOXY IN PLACE.

NOTE : ROTATION OF THE CENTER CONTACT MAY BE NEEDED TO ALIGN THE SLOT TO ACCEPT THE CENTER CONDUCTOR OF THE CABLE.

DWG. No.  
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