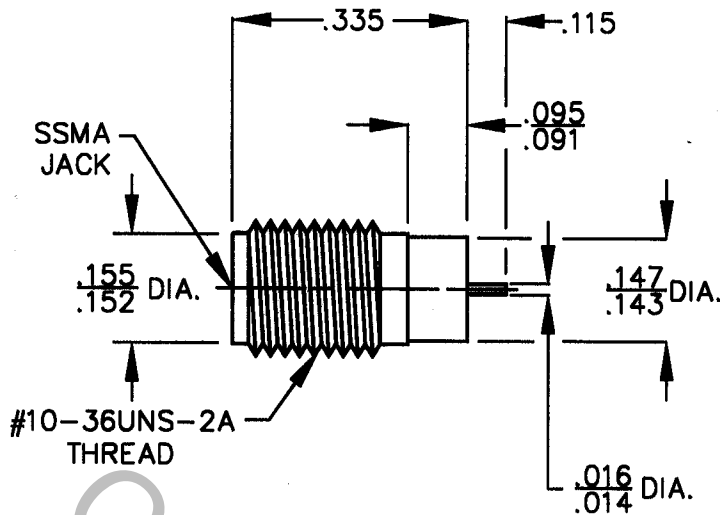


SPECIFICATION CONTROL DRAWING



NOTE:
CONTACT/INSULATOR SUB-ASSEMBLY IS SHIPPED
LOOSE. REFERENCE INSTALLATION DRAWING
FOR TOOLING AND ASSEMBLY SPECIFICATIONS.

1. MATING INTERFACE DIMENSIONS PER DYNAWAVE SPECIFICATION MD-97.

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz.
VSWR (MAX.) *	_____	1.05 + .014 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.05 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	70 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)	_____	12.0
• 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
AA-	99-0142	2/23/99		DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X ° ± 1 0' X ° X' ± 15'	
				DRAWN		DATE 2/24/99	TITLE SSMA, JACK SOLDER-IN HERMETICALLY SEALED
				APPROVED		DATE 2/23/99	
				CODE IDENT. 2J899		SHEET 1 OF 2	DWG. NO. 9740-0431-6416

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT
MAX. AXIAL FORCE _____ 4.5 LBS.
MAX. RADIAL TORQUE _____ N/A
CENTER CONTACT AXIAL FORCES
● INSERTION (MAX. OUNCES) _____ 40.0
● WITHDRAWAL (MIN. OUNCES) _____ 1.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) _____ 2.0
CONNECTOR DURABILITY (MIN. CYCLES) _____ 500
RECOMMENDED MATING TORQUE
● INTERFACE _____ 6 - 8 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 ° TO + 200°)
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.) (190RMS)
HERMETICITY _____ 1×10^{-8} cc/SEC.

5. MATERIAL

CONNECTOR BODY _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.
CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
No. UNS C17300, TEMPER TD04.
INSULATOR _____ TEFLON PER ASTM D 4894
GLASS PIN _____ KOVAR PER MIL-I-23011
GLASS _____ CORNING 7070

6. FINISH

CONNECTOR BODY AND GLASS PIN _____ GOLD PER MIL-G-45204, TYPE I, GRADE C, CLASS 1, OVER
NICKEL PER QQ-N-290, (.00010 MIN. THK.)
CENTER CONTACT _____ GOLD per MIL-G-45204, TYPE II, GRADE C, CLASS 2
(.000100 Minimum Thickness) OVER NICKEL per
QQ-N-290, CLASS 1 (.000100 Minimum Thickness) OVER
COPPER per MIL-C-14550 (.000010 Minimum Thickness).
INSULATOR AND GLASS _____ N/A

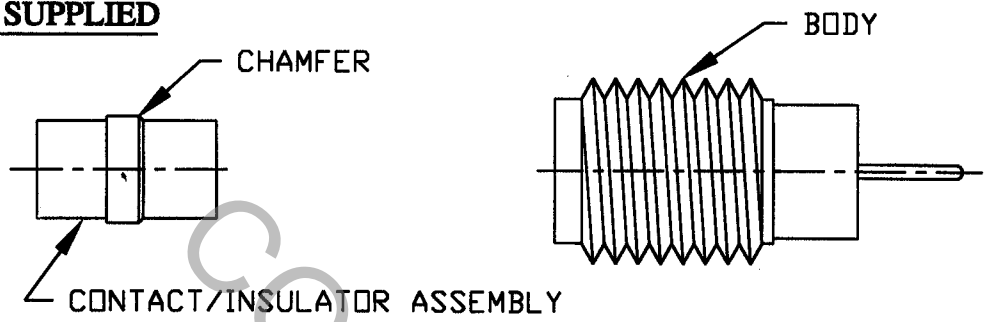
DRAWING No. 9740-0431-6416

REV.	DCN NUMBER	DATE	APP.
AA	99-0142	2/23/99	<i>[Signature]</i>

CONNECTOR ASSEMBLY INSTRUCTIONS

CONNECTOR TYPE: SSMA, JACK SOLDER-IN HERMETICALLY SEALED

PARTS SUPPLIED



Approved

Drawn *g/k*

STEP 1.
THREAD CONNECTOR BODY ONTO T97-001.

STEP 2.
INSERT CONTACT/INSULATOR ASSEMBLY INTO T97-001, CHAMFER END FIRST.

STEP 3.
USING T97-001 PLUNGER, PRESS CONTACT/INSULATOR ASSEMBLY THRU T97-001 AND INTO THE CONNECTOR BODY UNTIL THE PLUNGER BOTTOMS AGAINST T97-001.

