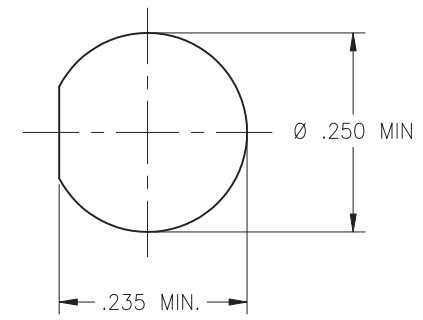


P/N	APPLICABLE NOTE(S)	(Ø A)	(Ø B)	CABLE TYPE(S)	FIGURE(S)
-1	1,2	.144	.250	Ø .141 SEMI-RIGID	1
-1SF	1,2	.144	.250	Ø .141 SEMI-RIGID	
-1NP	1,2	.144	.250	Ø .141 SEMI-RIGID	
-2	1,2	.088	.185	Ø .085 SEMI-RIGID	
-2SF	1,2	.088	.185	Ø .085 SEMI-RIGID	
-3	1,2	.144	.250	Ø .141 MICROPOROUS	
-3SF	1,2	.144	.250	Ø .141 MICROPOROUS	
-4	1,2	.088	.185	Ø .085 LOW LOSS	
-4SF	1,2	.088	.185	Ø .085 LOW LOSS	
-5CC	1,2	.050	.120	Ø .047 SEMI-RIGID	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	BY
-	C	ECO 17802	01.11.05	RC
-	D	ECO 18951	01.16.06	DKN
-	E	ECO 19832	12.15.06	DKN



RECOMMENDED MOUNTING HOLE

NOTE(S):

1. THESE AREAS REQUIRED GOLD PLATE FOR PART NUMBERS END WITH "SF".

DRAWING NO.	5289	REV.	E
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MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body & Locknut: 303 SST per ASTM A-582 Center Conductor: BeCu Alloy per ASTM B-196 Insulator: PTFE Teflon per ASTM D-1710 O-Ring: Silicone S613-60 or S604-70 Lockwasher: SST 410 Epoxy: Sigma VF Type HV	Impedance: 50 Ohms Nom. Freq. Range: DC TO 18 GHz VSWR: 1.05 + .005*f (GHz) Insertion Loss: .03 x √f GHz Working Voltage: 335 Vrms @ Sea Level Insulation Resistance: 5000 Mohms Dielectric Withstand Voltage: 1000 V rms RF HiPot Voltage: 670 Vrms Min @ 5MHz RF Leakage: -(90 - f GHz) dB Corona Level: 250 Vrms @ 70,000 ft Contact Resistance Center Conductor: Before Environmental: 3.0 Milliohms After Environmental: 4.0 Milliohms	Interface Dimensions: MIL-PRF-39012 Connector Durability: 500 Cycles Center Contact Retention: 6 lbs Min Axial N/A Radial Force to Engage and Disengage: 2 inch lbs max TORQUE Cable Retention Force: 60 lbs Min.	Temp. Range: -65°C to +165°C Thermal Shock: MIL-STD-202, Method 107, Test Cond. B Moisture Resistance: MIL-STD-202, Method 106. Insulation resistance at least 200 MegaOhms within 5 minutes after removal from humidity Corrosion: MIL-STD-202, Method 101, Test Cond. B Vibration: MIL-STD-202, Method 204, Test Cond. D Shock: MIL-STD-202, Method 213, Test Cond. I

FINISH:
 Body:
 (for SF's) Passivated per ASTM A-967 OR AMS-QQ-P-35
 (for CC & Basic) Gold plate per ASTM B-488 over
 Nickel plate per AMS-QQ-N-290
 (for NP's) Nickel plate per AMS-QQ-N-290
 Locknut & Lockwasher:
 (for SF's & NP) Passivated per ASTM A-967 OR AMS-QQ-P-35
 (for CC & Basic) Gold plate per ASTM B-488 over
 Nickel plate per AMS-QQ-N-290
 Center Conductor:
 Gold plate per ASTM B-488 over nickel plate per AMS-QQ-N-290.

APPLICABLE TENSOLITE DOCUMENTS		
WORK STD	PROD INST	ASSY INST
NA	NA	NA

NOTICE
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TOLERANCES AND NOTES EXCEPT AS NOTED
 DIMENSIONS ARE IN INCHES.
 LINEAR .XX ±.015 .XXX ±.005 ANGULAR ± 1/2° FRACTION ± 1/32

- MACHINE FINISH: $\sqrt{}$ RMS
- BREAK ALL SHARP EDGES .003 MAX.
- MACHINED FILLETS: .005 MAX.
- MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.
- MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
- DIMENSIONS TO BE MET BEFORE PLATING.
- CHAMFER ALL THREADS 45°.
- THREADS PER H-28
- REMOVE FRAYED EDGES ON TEFLON.
- REMOVE ALL BURRS.

SEE NOTES	-	SEE NOTES	-
MATERIAL	SIZE	SPECIFICATION	PROCUREMENT
NEXT ASSY	Tensolite HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS Long Beach, California 90815		
APPROVAL INITIALS	DATE	TITLE	
DRAWN BY: IMG	04.04.02	SMA FEMALE BULKHEAD FEEDTHROUGH TO SEMI-RIGID CABLE	
CHECKED		SCALE	SUB-DIRECTORY/FILENAME
QUALITY		6:1	OL
ENGINEERING: DNg	12.15.06	SIZE	SHEET 1 of 2
		CAGE CODE	5289
		DRAWING NO.	REV. E

4

3

2

1

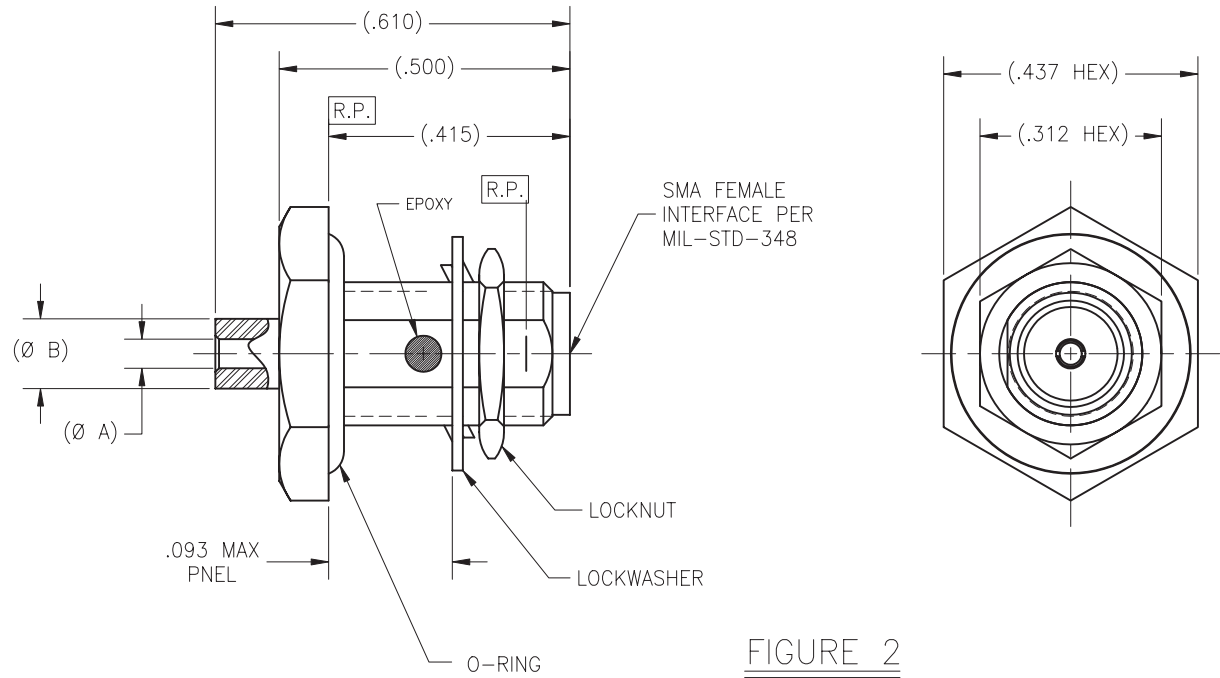


FIGURE 2

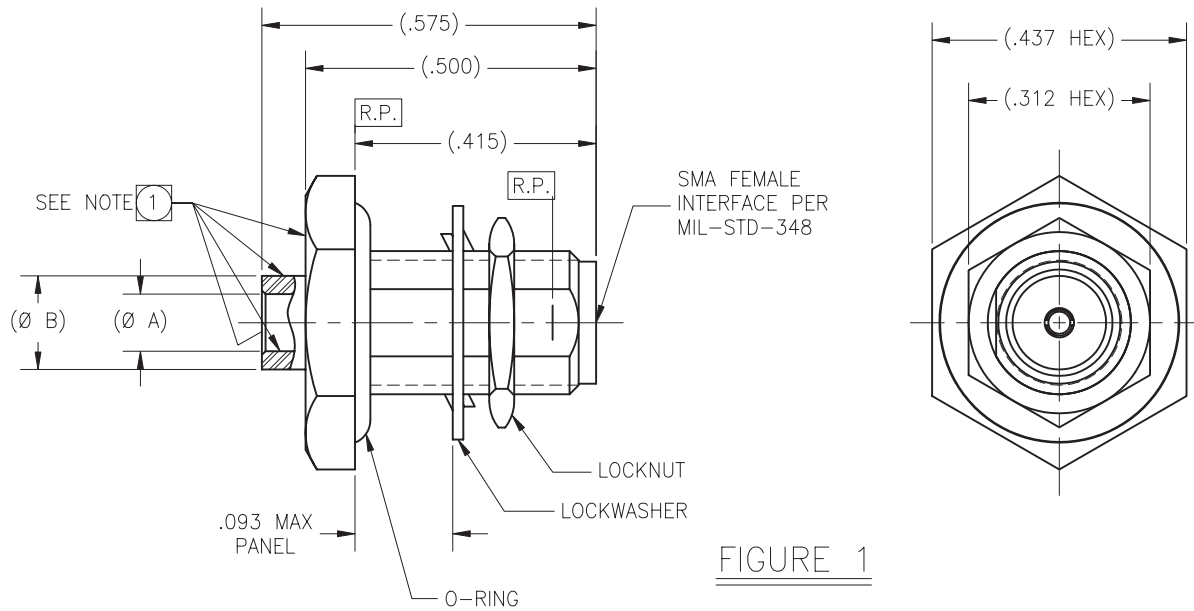


FIGURE 1

SCALE 6/1	SUB-DIRECTORY\FILENAME _OL\	SHEET 2 OF 2
SIZE C	CAGE CODE 30990	DRAWING NO. 5289
		REV. E

4

3

2

1