

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	BY
—	C	ECO 16909	04.29.04	JF
—	D	ECO 16970	05.18.04	JF
—	E	ECO 18956	01.17.06	DKN

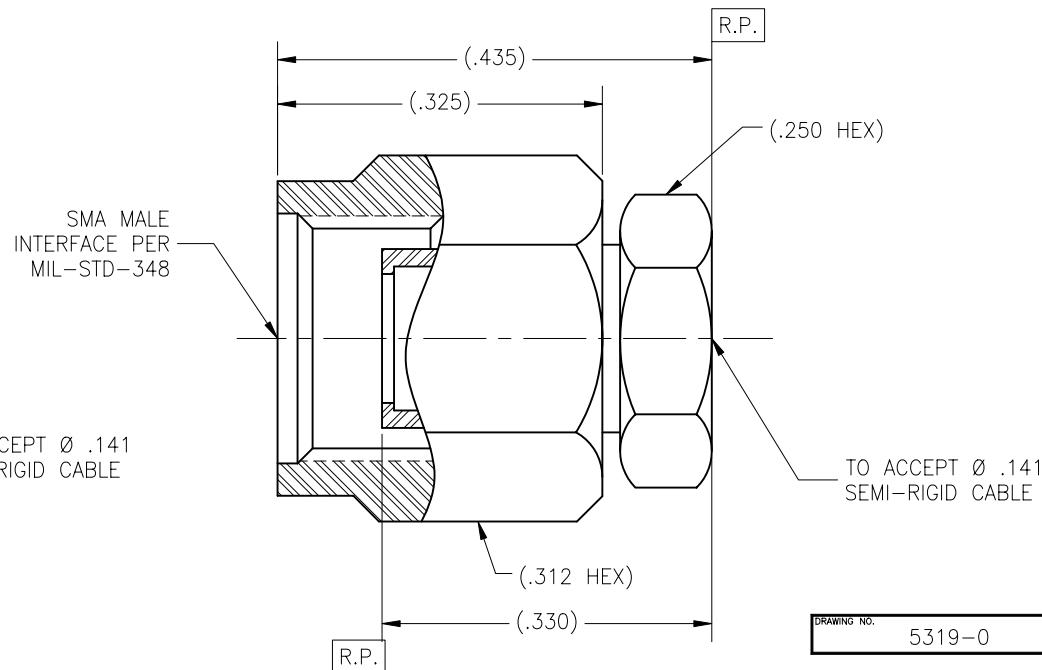


FIGURE 2

DRAWING NO.	5319-0	REV.	E
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MATERIAL: Body & Coupling Nut: 303 SST per ASTM A-582 Retaining Ring: BeCu Alloy per ASTM B-196 Insulator: PTFE Teflon per ASTM D-1710 Gasket: Silicone Rubber per A-A-59588	ELECTRICAL: Impedance: 50 Ohms Nom. Freq. Range: DC TO 18 GHz VSWR: 1.10 + .003*f (GHz) Insertion Loss: .15 dB Max @ 18 GHz Working Voltage: 500 Vrms @ Sea Level Insulation Resistance: 5000 Mohms Dielectric Withstand Voltage: 1500 V rms RF HiPot Voltage: 670 Vrms Min @ 5MHz RF Leakage: -(90 - f GHz) dB Corona Level: 375 Vrms @ 70,000 ft	MECHANICAL: Interface Dimensions: MIL-STD-348 Connector Durability: 500 Cycles Coupling Proof Torque: 15 Inch-lbs Min. Coupling Mechanism Retention Force: 60 lbs Min Cable Retention Force: 60 lbs Min Force to Engage and Disengage: Torque: 2 Inch-lbs Max. Longitudinal Force: Not applicable	ENVIRONMENTAL: 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: Gold plate per ASTM B-488 over nickel plate per AMS-QQ-N-290 Coupling Nut: (for -1SF & -2SF) Passivated per ASTM A-967 OR AMS-QQ-P-35 (for -1 & -2) Gold plate per ASTM B-488 over nickel plate per AMS-QQ-N-290	<table><tr><th colspan="3">APPLICABLE TENSOLITE DOCUMENTS</th></tr><tr><th>WORK STD</th><th>PROD INST</th><th>ASSY INST</th></tr><tr><td>NA</td><td>NA</td><td>NA</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table> <table><tr><th colspan="2">NOTICE</th></tr><tr><td colspan="2">THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN ORIGINATED BY TENSOLITE COMPANY AND ALL RIGHTS OF MANUFACTURE, REPRODUCTION, USE AND SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIED PURPOSE AND THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON OR TO INCORPORATE IN OTHER PROJECTS ANY SPECIAL FEATURES PECULIAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY TENSOLITE COMPANY, LONG BEACH, CALIFORNIA 90815.</td></tr></table>			APPLICABLE TENSOLITE DOCUMENTS			WORK STD	PROD INST	ASSY INST	NA	NA	NA							NOTICE		THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN ORIGINATED BY TENSOLITE COMPANY AND ALL RIGHTS OF MANUFACTURE, REPRODUCTION, USE AND SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIED PURPOSE AND THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON OR TO INCORPORATE IN OTHER PROJECTS ANY SPECIAL FEATURES PECULIAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY TENSOLITE COMPANY, LONG BEACH, CALIFORNIA 90815.		<table><tr><th colspan="2">TOLERANCES AND NOTES EXCEPT AS NOTED</th></tr><tr><td colspan="2">DIMENSIONS ARE IN INCHES.</td></tr><tr><td>LINEAR .XX ±.015</td><td>ANGULAR ± 1/2°</td></tr><tr><td colspan="2">FRACTION ± 1/32</td></tr><tr><td colspan="2">1. MACHINE FINISH: 63/ RMS</td></tr><tr><td colspan="2">2. BREAK ALL SHARP EDGES .003 MAX.</td></tr><tr><td colspan="2">3. MACHINED FILLETS .005 MAX.</td></tr><tr><td colspan="2">4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.</td></tr><tr><td colspan="2">5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.</td></tr><tr><td colspan="2">6. DIMENSIONS TO BE MET BEFORE PLATING.</td></tr><tr><td colspan="2">7. CHAMFER ALL THREADS 45°</td></tr><tr><td colspan="2">8. THREADS PER H-28</td></tr><tr><td colspan="2">9. REMOVE FRAYED EDGES ON TEFLON.</td></tr><tr><td colspan="2">10. REMOVE ALL BURRS.</td></tr></table>	TOLERANCES AND NOTES EXCEPT AS NOTED		DIMENSIONS ARE IN INCHES.		LINEAR .XX ±.015	ANGULAR ± 1/2°	FRACTION ± 1/32		1. MACHINE FINISH: 63/ RMS		2. BREAK ALL SHARP EDGES .003 MAX.		3. MACHINED FILLETS .005 MAX.		4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.		5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.		6. DIMENSIONS TO BE MET BEFORE PLATING.		7. CHAMFER ALL THREADS 45°		8. THREADS PER H-28		9. REMOVE FRAYED EDGES ON TEFLON.		10. REMOVE ALL BURRS.		<table><tr><th colspan="2">MATERIAL</th><th>SIZE</th><th>SPECIFICATION</th><th>PROCUREMENT</th></tr><tr><td colspan="2">NEXT ASSY</td><td></td><td></td><td></td></tr><tr><td colspan="2">APPROVAL INITIALS</td><td colspan="2">DATE</td><td></td></tr><tr><td>DRAWN BY</td><td>ATV</td><td colspan="2">06/10/97</td><td></td></tr><tr><td>CHECKED</td><td></td><td colspan="2"></td><td></td></tr><tr><td colspan="2">QUALITY</td><td colspan="2"></td><td></td></tr><tr><td>ENGINEERING</td><td>PMao</td><td colspan="2">01.17.06</td><td></td></tr></table> <table><tr><th colspan="2">TITLE</th><th colspan="2">SUB-DIRECTORY/FILENAME</th><th colspan="2">SHEET</th></tr><tr><td colspan="2">SMA MALE ANTI-TORQUE Ø .141 SEMI-RIGID CABLE (NO CONTACT)</td><td colspan="2">OL_</td><td>1</td><td>of 1</td></tr><tr><td>SCALE</td><td>10:1</td><td>CAGE CODE</td><td>30990</td><td>DRAWING NO.</td><td>5319-0</td></tr><tr><td>REV.</td><td>E</td><td colspan="4"></td></tr></table>	MATERIAL		SIZE	SPECIFICATION	PROCUREMENT	NEXT ASSY					APPROVAL INITIALS		DATE			DRAWN BY	ATV	06/10/97			CHECKED					QUALITY					ENGINEERING	PMao	01.17.06			TITLE		SUB-DIRECTORY/FILENAME		SHEET		SMA MALE ANTI-TORQUE Ø .141 SEMI-RIGID CABLE (NO CONTACT)		OL_		1	of 1	SCALE	10:1	CAGE CODE	30990	DRAWING NO.	5319-0	REV.	E				
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