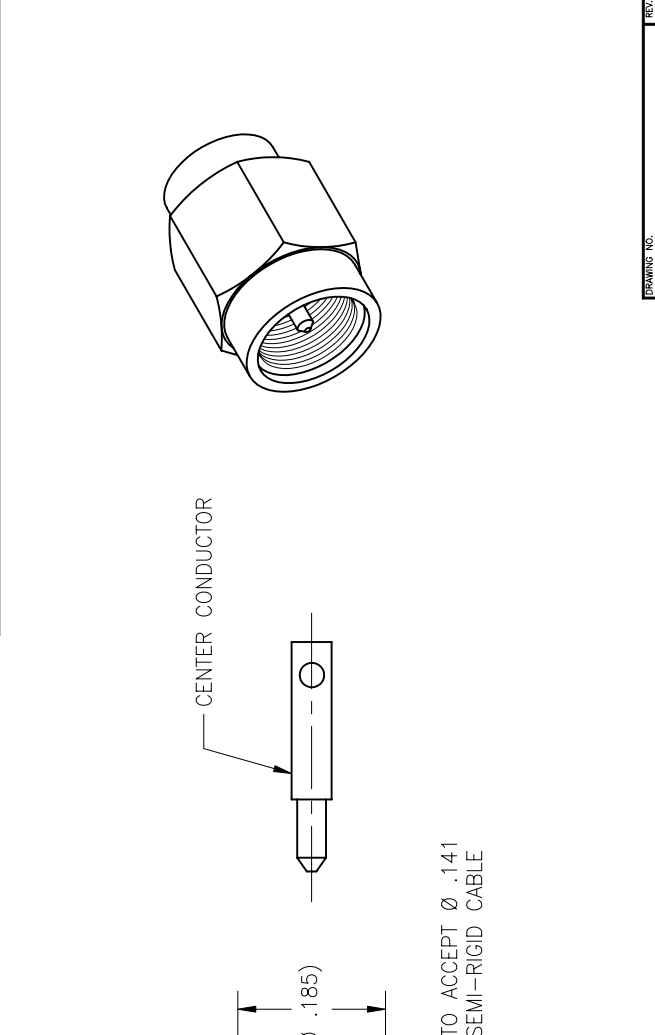


ZONE	REV.	DESCRIPTION(S)	DATE	BY
-	A	ECO 19630	10.04.06	DKN

P/N	REVISIONS
BASIC	
SF	



NOTE:
CENTER CONDUCTOR & INSULATOR TO BE PACKAGED AND SHIPPED UNASSEMBLED.

DRAWING NO. 5285-1

MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body & Coupling Nut: 303 sst per ASTM A-582. Center Conductor: Brass Alloy C360 per ASTM B-16. Retaining Ring: BeCu alloy per ASTM B-197. Gasket: Silicone Rubber per A-A-59588 Insulator: PTFE per ASTM D-1710.	Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.05 + .005f(GHz). Insertion Loss: .03√f(GHz). Working Voltage: 500 Vrms max @ sea level. Dielectric Withstanding Voltage: 1500 Vrms min. R.F. HiPot Voltage: 1000 Vrms min @ 5MHz. Corona Level: 375 Vrms @ 70,000 ft. Insulation Resistance: 5000 MegOhms min. R.F. Leakage: -(90 - fGHz) dB. Contact Resistance: Initial: Outer Contact: 2.0 Milliohm max. Center Contact: 2.0 Milliohm max. After Environment: Outer Contact: 3.0 Milliohm max. Center Contact: NA.	Mating Characteristics: Interface per Mil-Std-348. Force To Engage & Disengage: Torque: 2 inch-pounds max. Longitudinal Force: NA. Connector Durability: 500 cycles min @ 12 cycles/minute max. Permeability: Less than 2.0 mu. Coupling Proof Torque: 15 inch-pounds min. Coupling Mech. Retention: 60 pounds min.	ENVIRONMENTAL: Temperature Range: -65°C to +125°C. Thermal Shock: Mil-Std-202, Method 107, Test Cond. A. Moisture Resistance: Mil-Std-202, Method 106, Insulation resistance at least 200 MegOhms 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:	APPLICABLE TENSOLITE DOCUMENTS	TOLERANCES AND NOTES EXCEPT AS NOTED						
Coupling Nut: (for SF): Passivated per ASTM A-967. (for BASIC): Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290. Body & Center Conductor: Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290.	<table border="1"> <thead> <tr> <th>WORK STD</th> <th>PROD INST</th> <th>ASST INST</th> </tr> </thead> <tbody> <tr> <td>NA</td> <td>NA</td> <td>NA</td> </tr> </tbody> </table> <p>NOTICE THIS DRAWING IS THE PROPERTY OF TENSOLITE. REPRODUCTION, USE AND SALE RIGHTS REGARDING THE SAME ARE RESERVED BY TENSOLITE COMPANY AND ALL DESIGN, MANUFACTURING AND SALES RELATIONSHIPS ARE THE PROPERTY OF TENSOLITE COMPANY. INFORMATION REGARDING THIS DRAWING IS TO BE KEPT CONFIDENTIAL AND NOT TO BE DISCLOSED TO ANY UNAUTHORIZED PERSONS OR ORGANIZATION WITHOUT THE WRITTEN PERMISSION OF TENSOLITE COMPANY. ALL RIGHTS ARE RESERVED BY TENSOLITE COMPANY, LONG BEACH, CALIFORNIA 90805.</p>	WORK STD	PROD INST	ASST INST	NA	NA	NA	DIMENSIONS ARE IN INCHES. LINEAR .XX ±.015 ANGULAR ± 1/2 FRACTION ± 1/2 1. MACHINE FINISH ✓/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. .002 T.L.R. UNLESS OTHERWISE SPECIFIED. 6. DIMENSIONS TO CENTER UNLESS OTHERWISE SPECIFIED. 7. CHAMFERS TO BE AS SHOWN BEFORE PLATING. 8. THREADS PER H-28. 9. REMOVE ALL BURRS. 10. REMOVE ALL BURRS.
WORK STD	PROD INST	ASST INST						
NA	NA	NA						

APPROVAL	DATE	PROVISION
DRWN BY: IMG	03.12.02	HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS
CHECKED:		Long Beach, California 90815
QUALITY:		
ENGINEERING: DNg	12.01.06	

SCALE	SHEET	OF
10/1	1	1

CAGE CODE	DRAWING NO.	REV.
C 30990	5285-1	A