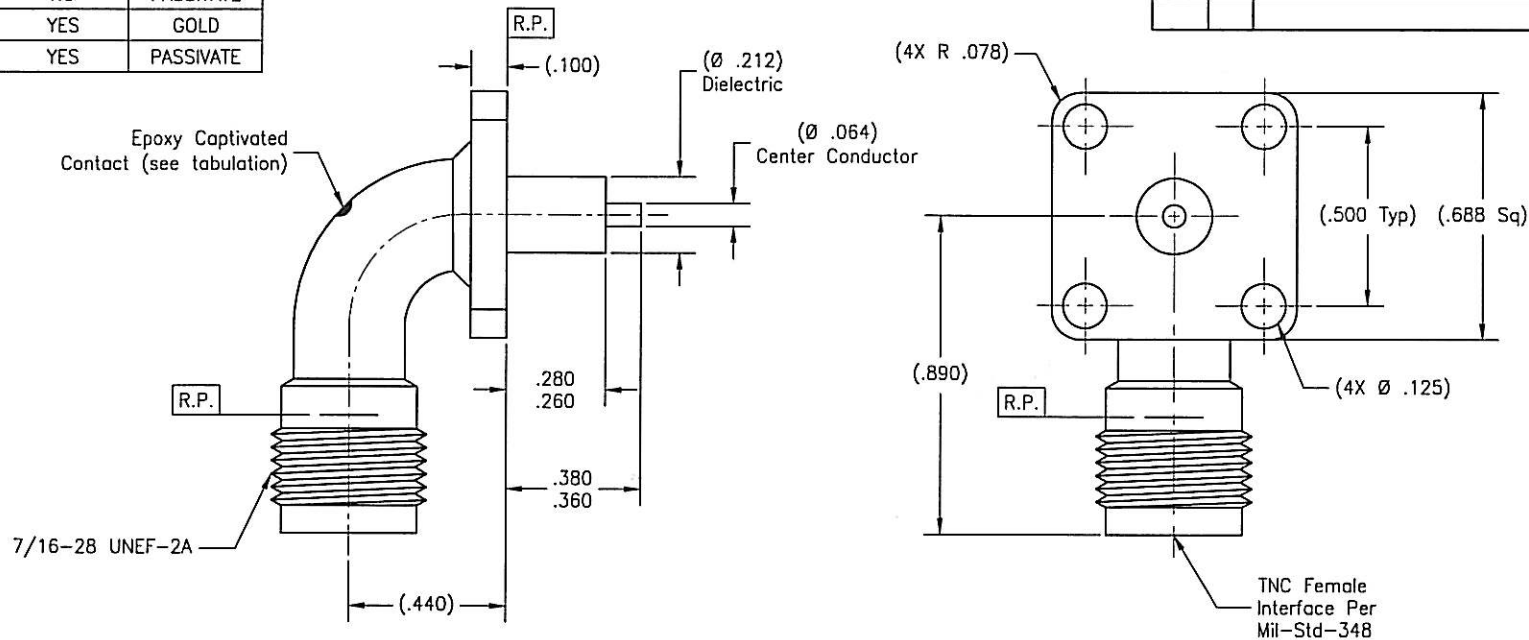


P/N'S	EPOXY CAPTIVATION	BODY/INSERT FINISH(ES)
9030	NO	GOLD
9030SF	NO	PASSIVATE
9030CC	YES	GOLD
9030CCSF	YES	PASSIVATE

REVISIONS				
ZONE	REV.	DESCRIPTION(S)	DATE	BY
-	C	ECO 21138	03.27.08	P.MAO



MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL(S):
Body: 303 sst per ASTM A 743 or A 744. Insert: 303 sst per ASTM A 582. Center Conductor: BeCu alloy per ASTM B 196. Dielectric: PTFE per ASTM D 1710 or D 1457. Epoxy (see tabulation): Sigma VF type HV.	Impedance: 50 Ohms Frequency Range: DC to 18GHz. VSWR: 1.07 + .01 X f(GHz). Insertion Loss: .25 dB max @ 18GHz. 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 min. for Basic & SF. -(60 - fGHz) dB min. for CC & CCSF. Contact Resistance: Initial: Center Contact: 3.0 Milliohm max. Outer Contact: 2.0 Milliohm max. After Environment: Center Contact: 4.0 Milliohm max. Outer Contact: NA.	Mating Characteristics: Interface per Mil-Std-348. Force To Engage & Disengage: 2 inch-pounds max torque. Center Contact Retention: Axial Force: 6 pounds min. Connector Durability: 500 cycles min @ 12 cycles/minute max. Permeability: Less than 2.0 mu. Center Contact Captivation: Axial Force: 6 pounds min. Radial Torque: 4 inch-ounces min.	Temperature 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 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(ES):
Body & Insert (see tabulation): Passivated per ASTM A 967 or Gold plate per ASTM B 488, over nickel under plate per AMS-QQ-N-290. Center Conductor: Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290.

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 DESIGN, MANUFACTURING, REPRODUCTION, USE AND SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IF IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIC PURPOSE AND THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON OR INCORPORATE IN OTHER PROJECTS ANY SPECIAL FEATURES PICTURED TO THIS DESIGN, ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY TENSOLITE COMPANY, LONG BEACH, CALIFORNIA 90815.

TOLERANCES AND NOTES EXCEPT AS NOTED	
1. MACHINE FINISH: .005 MAX.	2. BREAK ALL SHARP EDGES .003 MAX.
3. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.	4. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
5. DIMENSIONS TO BE MET BEFORE PLATING.	6. CHAMFER ALL THREADS 45°.
7. THREADS PER MIL-STD-20.	8. REMOVE TRAPPED DEBRIS ON TEFLOON.
9. REMOVE ALL BURRS.	

MATERIAL		DATE	SIZE	SPECIFICATION	PROCUREMENT
APPROVAL INITIALS	DATE				
DRAWN BY: DKN	03.08.07				
CHECKED BY: P.MAO	03.31.08				
TEST ENGR					
QUALITY					
DESIGN ENGR					
MFG ENGR					

Tensolite		HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS	
Long Beach, California 90815			
TITLE: TNC FEMALE RADIUS R/A 4 HOLE			
(688 SQ) FLANGE MOUNT TO STRAIGHT TERM.			
SCALE: 4:1		SUB-DIRECTORY/FILENAME: -OL_OL_9030	
SHEET: 1 OF 1		REV: C	