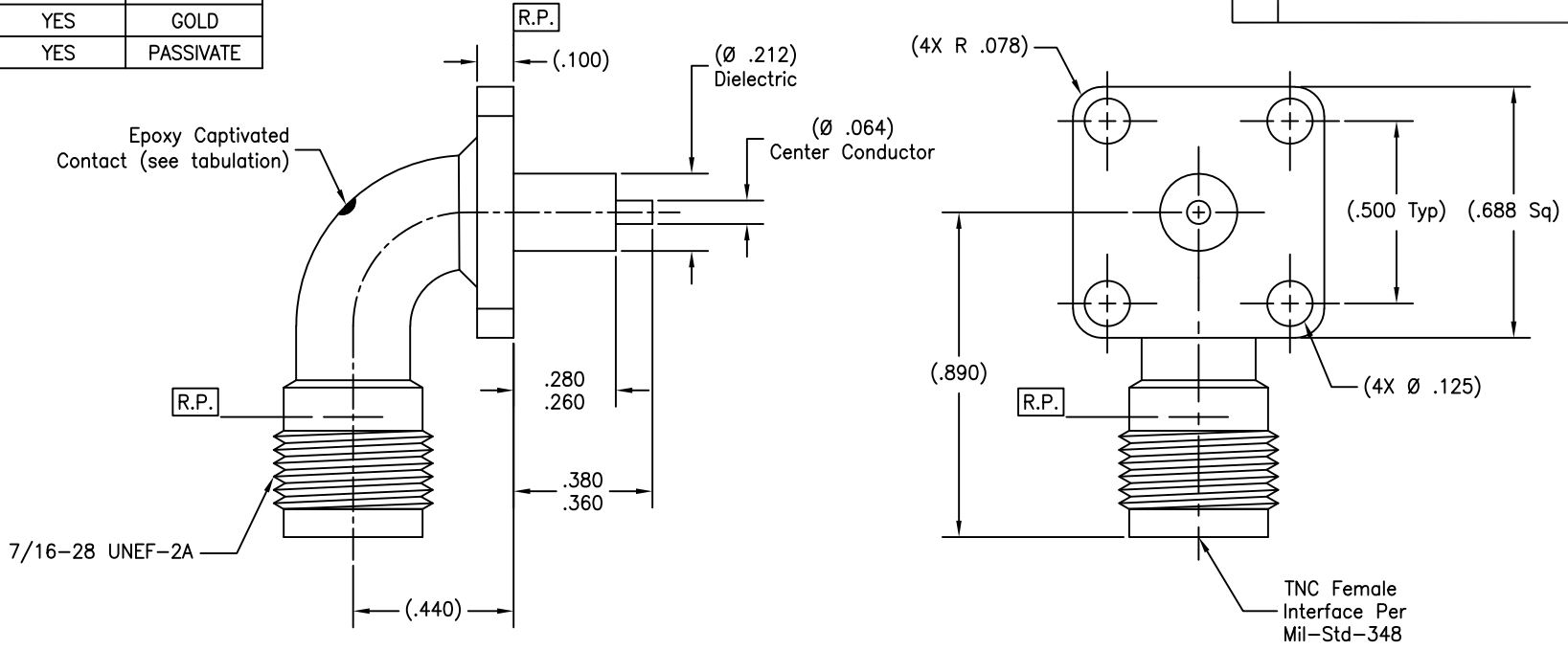


P/N'S	EPOXY CAPTIVATION	BODY/INSERT FINISH(ES)
9030	NO	GOLD
9030SF	NO	PASSIVATE
9030CC	YES	GOLD
9030CCSF	YES	PASSIVATE

REVISIONS			
REV	DESCRIPTION	DATE	BY
C	ECO 21138	03.27.08	P.MAO
D	ECO 202420 (ADD NEW NAME)	12.16.24	DKN



MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL(S):
<p>Body: 303 sst per ASTM A 743 or A 744.</p> <p>Insert: 303 sst per ASTM A 582.</p> <p>Center Conductor: BeCu alloy per ASTM B 196.</p> <p>Dielectric: PTFE per ASTM D 1710 or D 1457.</p> <p>Epoxy (see tabulation): Sigma VF type HV.</p>	<p>Impedance: 50 Ohms</p> <p>Frequency Range: DC to 18GHz.</p> <p>VSWR: $1.07 + .01 \times f(\text{GHz})$.</p> <p>Insertion Loss: .25 dB max @ 18GHz.</p> <p>Working Voltage: 500 Vrms max @ sea level.</p> <p>Dielectric Withstanding Voltage: 1500 Vrms min.</p> <p>R.F. HiPot Voltage: 1000 Vrms min @ 5MHz.</p> <p>Corona Level: 375 Vrms @ 70,000 ft.</p> <p>Insulation Resistance: 5000 MegOhms min.</p> <p>R.F. Leakage: $-(90 - f\text{GHz})$ dB min. for Basic & SF. $-(60 - f\text{GHz})$ dB min. for CC & CCSF.</p> <p>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.</p>	<p>Mating Characteristics: Interface per Mil-Std-348.</p> <p>Force To Engage & Disengage: 2 inch-pounds max torque.</p> <p>Center Contact Retention: Axial Force: 6 pounds min.</p> <p>Connector Durability: 500 cycles min @ 12 cycles/minute max.</p> <p>Permeability: Less than 2.0 mu.</p> <p>Center Contact Captivation: Axial Force: 6 pounds min. Radial Torque: 4 inch-ounces min.</p>	<p>Temp. Range: -65°C to $+125^{\circ}\text{C}$ (All Captivated) -65°C to $+165^{\circ}\text{C}$ (Basic & SF)</p> <p>Thermal Shock: Mil-Std-202, Method 107, Test Cond. B,</p> <p>Moisture Resistance: Mil-Std-202, Method 106, Insulation resistance at least 200 MegOhms within 5 minutes after removal from humidity.</p> <p>Corrosion: Mil-Std-202, Method 101, Test Cond. B.</p> <p>Vibration: Mil-Std-202, Method 204, Test Cond. D.</p> <p>Shock: Mil-Std-202, Method 213, Test Cond. I.</p>

FINISH(ES):	APPLICABLE AMPHENOL CDI DOCUMENTS	TOLERANCES AND NOTES EXCEPT AS NOTED	MATERIAL	SPECIFICATION	PROCUREMENT						
<p>Body & Insert: (for SF's) Passivate per ASTM A-967.</p> <p>Body & Insert: (for Basic & CC's) Gold plate per ASTM B-488, Type II, Code C, Class .25; Over nickel under plate per SAE-AMS-QQ-N-290, Class 1.</p> <p>Center Conductor: Gold plate per ASTM B-488, Type II, Code C, Class 1.25; Over nickel under plate per SAE-AMS-QQ-N-290, Class 1.</p>	<table border="1"> <thead> <tr> <th>WORK STD</th> <th>PROD INST</th> <th>ASSY INST</th> </tr> </thead> <tbody> <tr> <td>NA</td> <td>NA</td> <td>NA</td> </tr> </tbody> </table> <p>NOTICE</p> <p>THIS DRAWING EMBODIES A CONFIDENTIAL, PROPRIETARY DESIGN ORIGINATED BY AMPHENOL CDI AND ALL DESIGN, MANUFACTURING, RE-PRODUCTION, 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 TO INCORPORATE INTO HIS PROJECTS ANY SPECIAL FEATURE REGULAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY AMPHENOL CDI, CERRITOS, CA 90703</p>	WORK STD	PROD INST	ASSY INST	NA	NA	NA	<p>INTERPRET DRAWING PER ASME Y14.5-2018</p> <p>DIMENSIONS ARE IN INCHES:</p> <p>LINEAR $\pm .015$ ANGULAR $\pm 1/2^{\circ}$</p> <p>FRACTION $\pm 1/32$</p> <ol style="list-style-type: none"> 1. MACHINED FINISH: ES/RMS 2. BREAK ALL SHARP EDGES .003 MAX. 3. MACHINED FILLETS $\pm .005$ MAX. 4. MACHINED SURFACES SQUARE TO RESPECTIVE AXES WITHIN .005 INCHES PER BICH. 5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R. 6. DIMENSIONS TO BE MET BEFORE PLATING. 7. CHAMFER ALL THREADS 45°. 8. THREADS PER 11-26. 9. REMOVE FRAYED EDGES ON TEFLON. 10. REMOVE ALL BURRS. 	<p>APPROVAL INITIALS</p> <p>DRAWN BY DKN</p> <p>CHECKED BY</p> <p>TEST ENGG</p> <p>QUALITY</p> <p>DESIGN ENGG P.MAO</p> <p>MFG ENGG</p> <p>ECO APPRV</p>	<p>DATE 03.08.07</p> <p>DATE 04.02.08</p> <p>DATE</p> <p>DATE</p> <p>DATE</p> <p>DATE</p> <p>DATE</p> <p>DATE</p>	<p>12900 Alondra Blvd. Cerritos, CA 90703</p> <p>Amphenol CDI</p> <p>TITLE: TNC FEMALE R/A 4 HOLE (.688 SQ) FLANGE MOUNT TO STRAIGHT TERM.</p> <p>SCALE: 4:1</p> <p>DIRECTORY/SUB-DIRECTORY: _OUTLINE\</p> <p>SHEET 1 OF 1</p> <p>SIZE: C</p> <p>CAGE CODE: 30990</p> <p>DRAWING NO.: 9030</p> <p>REV. D</p>
WORK STD	PROD INST	ASSY INST									
NA	NA	NA									