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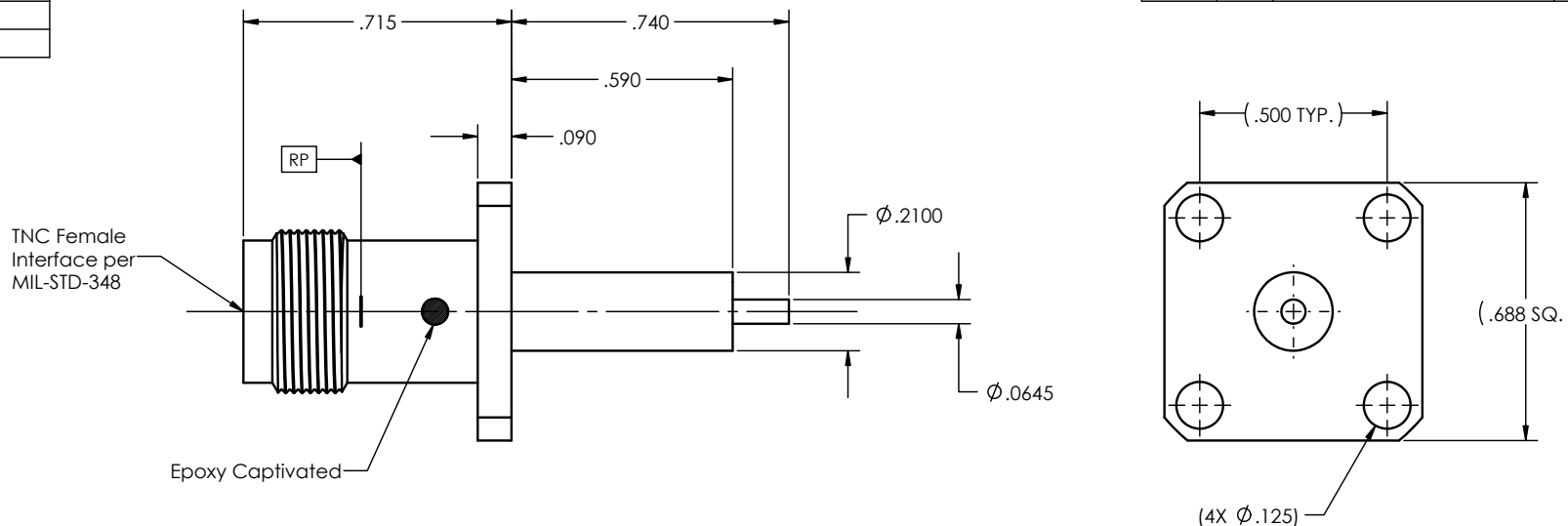
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PART NO.	EPOXY CAPTIVATION
9028SF	NO
9028CCSF	YES



REVISION HISTORY				
ECO	REV.	DESCRIPTION	DRAWN BY	DATE
29033	A	INITIAL RELEASE	DKN	06/25/2015
204755	B	REDRAW IN SW; NEW TEMPLATE	YP	10/10/2025



MATERIAL(S):
 Body:
 303 SST per ASTM A582
 Center Conductor:
 BeCu Alloy per ASTM B196
 Dielectric:
 PTFE Teflon per ASTM D1710
 Epoxy: (see tabulation)
 Silgma VF type HV

ELECTRICAL(S):
 Impedance: 50 Ohms Nominal
 Frequency Range: DC to 18.0 GHz
 VSWR: 1.25:1 max @ 18.0 GHz
 Insertion Loss: 0.25 dB max @ 18.0 GHz
 Working Voltage: 500 Vrms max @ Sea Level
 Dielectric Withstand Voltage: 1,500 Vrms min.
 Corona Level: 375 Vrms @ 70,000 ft
 Insulation Resistance: 5,000 MegOhms min.
 RF Leakage: -(60 - fGHz) dB min.
 Contact Resistance:
 Initial:
 Center Contact: 3.0 Milliohms max
 Outer Contact: 2.0 Milliohms max
 After Environment:
 Center Contact: 4.0 Milliohm max
 Outer Contact: NA.

MECHANICAL(S):
 Mating Characteristics:
 Interface per MIL-STD-348
 Force to Engage & Disengage:
 Torque: 2 in-pounds max
 Longitudinal Force: NA
 Center Contact Retention:
 Axial Force: 6 pounds min.
 Radial Torque: 4 inch-ounces min.
 Connector Durability: @ 12 cycles/minute max
 500 Cycles min. @ 12 cycles/minute max
 Permeability: Less than 2.0 mu.

ENVIROMENTAL(S):
 Temperature Range: -65°C to +125°C (for SF)
 -65°C to +125°C (for CCSF)
 Thermal Shock:
 MIL-STD-202, Method 107, Test Condition 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 Condition B
 Vibration:
 MIL-STD-202, Method 204, Test Condition B
 Shock:
 MIL-STD-202, Method 213, Test Condition I

FINISH(ES):
 Body:
 Passivate per ASTM A967
 Center Conductor:
 Gold plate per ASTM B488, type II, Code C or D, Class 1.25;
 over Nickel underplate per AMS-QQ-N-290, Class 1.

TOLERANCES AND NOTES
 EXCEPT AS NOTED
 DIMENSIONS ARE IN INCHES.
 LINEAR .XX ± .015 / .XXX ± .005
 FRACTION ± 1/32 ANGULAR ± 1/2°
 1. INTERPRET DRAWING PER ASME Y14.5 - 2018
 2. MACHINE FINISH: 63 RMS
 3. BREAK ALL SHARP EDGES .003 MAX.
 4. MACHINED FILLETS .005 MAX.
 5. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.
 6. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
 7. DIMENSIONS TO BE MET AFTER PLATING.
 8. CHAMFER ALL THREADS 45°.
 9. THREADS PER H-28
 10. REMOVE FRAYED EDGES ON TEFLON.
 11. REMOVE ALL BURRS.

APPLICABLE Amphenol CDI DOCUMENTS		
WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA

MATERIAL		
APPROVAL	INITIALS	DATE
DRAWN BY	IMG	4.12.02
CHECKED BY	-	-
TEST ENG	-	-
QUALITY	-	-
DESIGN ENG	ATV	4.12.02
MFG ENG	-	-
ECO APPRV	DNg	10/13/2025

SPECIFICATION		PROCUREMENT	
Amphenol CDI 12900 Alondra Blvd. Cerritos, CA 90703		Amphenol CDI 12900 Alondra Blvd. Cerritos, CA 90703	
TITLE TNC FEMALE 4 HOLE FLANGE (.687 SQ.) PANEL MNT. STRAIGHT TO TERMINATION			
SCALE	SUB-DIRECTORY/	OUTLINE/	SHEET 1 OF 1
SIZE	CAGE CODE	DRAWING NO.	REV.
4:1	C 30990	OL 9028	B