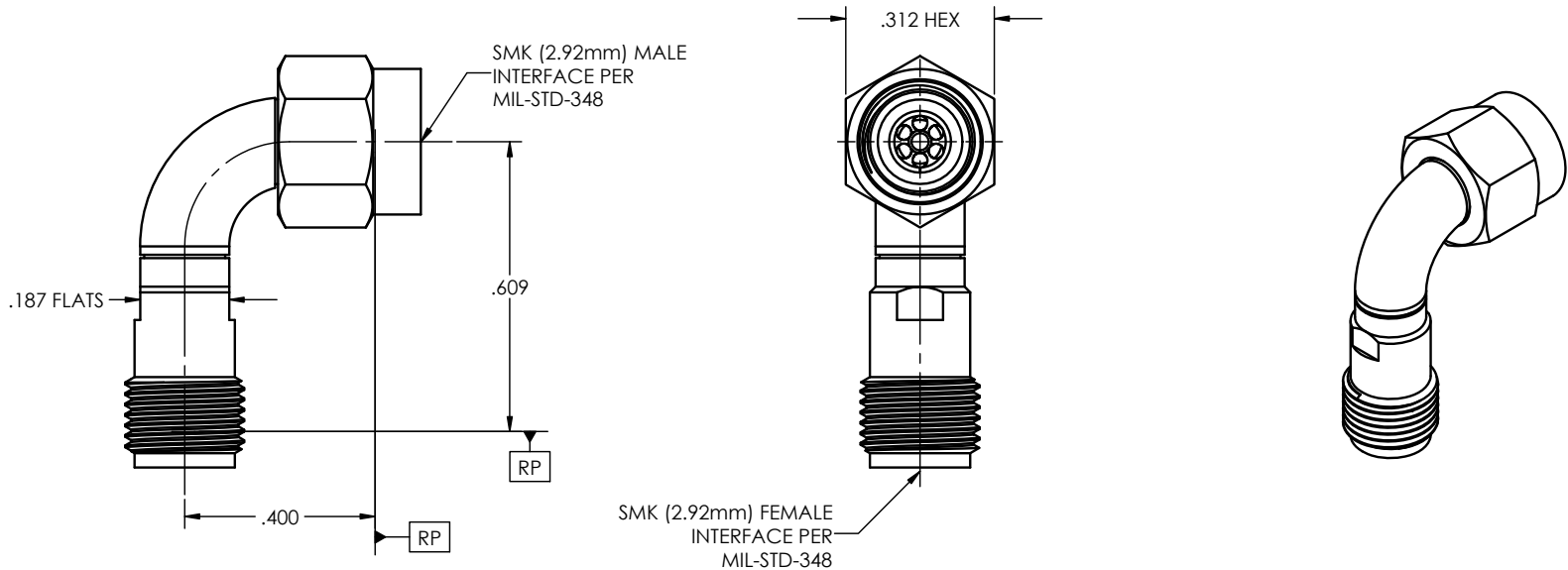


PART NO.	COUPLING NUT FINISHED
CC	GOLD
CCSF	PASSIVATED

REVISIONS			
REV.	DESCRIPTION	DATE	BY
B	ECO 21464	07.23.08	DKN
C	ECO 25054 (CHG TEMP RANGE)	11.08.11	YP
AF	ECO 202822 (MATCH REV W/ ASSY DWG)	01.31.25	DKN



MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL(S):
Body and Coupling Nut: 303 SST per ASTM A-582 Right-Angle Body: 304 sst per MIL-T-8504 Center Conductor: BeCu Alloy per ASTM B-196 Retaining Ring: BeCu Alloy per ASTM B-196 or ASTM B-197 Dielectric: PTFE Teflon per ASTM D-1710 Gasket: Viton A per MIL-R-83248 Bead: (High Performance Application) Epoxy: Sigma Vary Flex type HV	Impedance: 50 Ohms Nominal Frequency Range: DC to 40.0 GHz VSWR: 1.50:1 max to 40.0 GHz Insertion Loss: .50 dB max to 40.0 GHz Working Voltage: 500 Vrms max @ Sea Level Dielectric Withstand Voltage: 1,500 Vrms min. RF HiPot Voltage: 1,000 Vrms min. @ 5MHz Corona Level: 375 Vrms @ 70,000 ft Insulation Resistance: 5,000 MegOhms min. RF Leakage: -90 dB min. @ 2 - 3 GHz Contact Resistance: Initial: Center Contact: 3.0 Milliohms max Outer Contact: 2.0 Milliohms max After Environment: Center Contact: 4.0 Milliohms max Outer Contact: NA	Mating Characteristics: Interface per MIL-STD-348 Force to Engage & Disengage: Torque: 2 inch-lbs max Longitudinal Force: NA Connector Durability: 500 Cycles min. @ 12 cycles/minute max Permeability: Less than 2.0 mu. Center Contact Retention: Axial Force: 6 lbs min. Torque: 4 inch-ounces min. Coupling Proof Torque: 15 inch-pounds min Coupling Mech. Retention: 60 lbs min.	Temperature Range: -55°C to +125°C Thermal Shock: MIL-STD-202, Method 107, Test Condition B Temperature Cycle: MIL-STD-202, Method 102, Test Condition C 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 D Shock: MIL-STD-202, Method 213, Test Condition I

FINISH(ES):			APPLICABLE Amphenol CDI DOCUMENTS			TOLERANCES AND NOTES			-			-			-														
Body, R/A Body and Coupling Nut: (for CC): Gold plate per ASTM B-488, Typer II, Code C, Class .25; over Nickel plate per SAE AMS-QQ-N-290, Class 1. (for CCSF): Passivated per ASTM A-967. Center Conductor: Gold plate per ASTM B-488, Typer II, Code C, Class 1.25; Over Nickel plate per SAE AMS-QQ-N-290, Class 1.			WORK STANDARD	PROD INSTRUC	ASSY INSTRUC	EXCEPT AS NOTED DIMENSIONS ARE IN INCHES. XX ±.05 ANGULAR ± 1/2° LINEAR .XX ± .05 FRACTION ± 1/32			MATERIAL			SPECIFICATION			PROCUREMENT														
			NA	NA	NA	INTERPRET DRAWING PER ASME Y14.5 - 2018			APPROVAL INITIALS			DATE			12900 Alondra Blvd. Cerritos, CA 90703														
			-	-	-	1. MACHINE FINISH: .005 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 .005 T.I.R. 6. DIMENSIONS TO BE MET BEFORE PLATING. 7. CHAMFER ALL THREADS 45°. 8. THREADS PER H-28 9. REMOVE FRAVED EDGES ON TEFLON. 10. REMOVE ALL BURRS.			DRAWN BY			AGS			06.13.01														
			NOTICE THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN ORIGINATED BY Amphenol CDI & ALL DESIGN, MANUFACTURING, REPRODUCTION, USE & SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIED PURPOSE & THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON TO INCORPORATE IN OTHER PROJECTS AND SPECIAL FEATURES PECULIAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY Amphenol CDI, FORTITON, CALIFORNIA 90703			CHECKED BY			-			-			TITLE			SMK (2.92mm) MALE TO SMK FEMALE RADIUS RIGHT ANGLE ADAPTER											
									TEST ENGR			-			SCALE			SUB-DIRECTORY/ OUTLINE\			SHEET 1 OF 1								
									QUALITY			-			4:1			SIZE			CAGE CODE			DRAWING NO.			REV.		
									DESIGN ENG			ATV			07.17.02			C 30990			221			AF					
									MFG. ENGR			-			-			ECO APPRV			DNg			02.05.25					