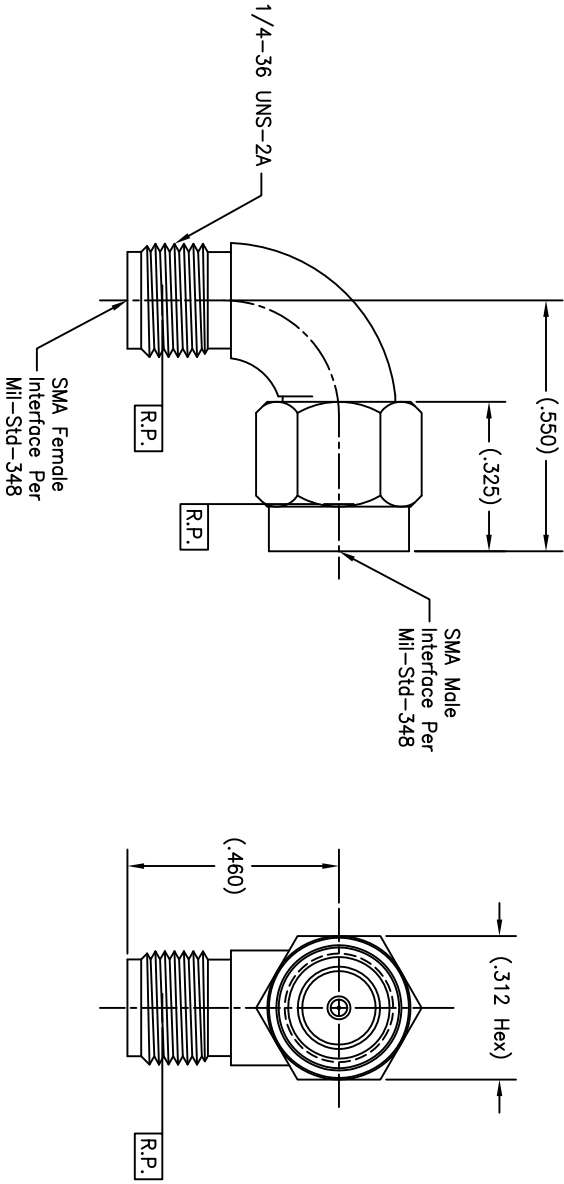


REVISIONS			
REV	DESCRIPTION	DATE	BY
—	Initial Released	01.27.14	DKN



MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL(S):
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Body: 304 sst per MIL-T-8504 or SAE-AMS-5567. Coupling Nut: 303 sst per ASTM A-582. Center Conductor: BeCu alloy per ASTM B-196. Retaining Ring: BeCu alloy per ASTM B-197. Dielectric: PTFE per ASTM D-1710. Gasket: Silicone rubber per A-A-59588.	Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.25:1 max @ 18.0GHz. Insertion Loss: .20 dB max @ 18.0GHz. Working Voltage: 335 Vrms max @ sea level. Dielectric Withstanding Voltage: 1,000 Vrms min. R.F. Hipot Voltage: 670 Vrms min @ 5MHz. Corona Level: 125 Vrms @ 70,000 ft. Insulation Resistance: 10,000 MegOhms min. R.F. Leakage: —(90 — fGHz) dB min. Contact Resistance: Before Environment: Center Contact: 3.0 Milliohm max. Outer Contact: 2.0 Milliohm max. After Environmental: Center Contact: 4.0 Milliohm max. Outer 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. Center Contact Retention (Captivation): NA Coupling Mechanism Retention Force: 60 pounds minimum Coupling Proof Torque: 15 inch-pounds minimum. Mating Torque (test condition): 7–10 inch-pounds.	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.
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FINISH(ES):	APPLICABLE CARLISLE IT DOCUMENTS	TOLERANCES AND NOTES	—	—
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Body & Coupling Nut: Passivated per ASTM A-967 or SAE-AMS 2700.	WORK STD	PROD INST	ASSY INST	—
Center Conductor: Gold plate per ASTM B-488, Type II, Code C or D, Class 1.25, over nickel under plate per SAE-AMS-QQ-N-290, Class 1, .000050 inch thick minimum.	NA	NA	NA	—

NOTICE

THE DRAWING SHOWN IS A PRELIMINARY DESIGN. IT IS SUBJECT TO CHANGE WITHOUT NOTICE. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE DIMENSIONS AND TOLERANCES OF THE PARTS AND MATERIALS USED IN THE ASSEMBLY. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE DIMENSIONS AND TOLERANCES OF THE PARTS AND MATERIALS USED IN THE ASSEMBLY. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE DIMENSIONS AND TOLERANCES OF THE PARTS AND MATERIALS USED IN THE ASSEMBLY.