



REVISIONS				
DATE	REV	DESCRIPTION	DATE	BY
-	A	ECO 22534	10.14.09	DKN
-	B	ECO 24944 (CHG SPEC)	9.26.11	YP

MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body And Coupling Nut: 303 sst per ASTM A-582. Retaining Ring: BeCu alloy per ASTM B-196 Gasket: Silicone Rubber per A-A-5958B. Center Conductor: BeCu alloy per ASTM B-196. Insulator: PTFE per ASTM D-1710. Epoxy: Sigma VF Type HV	Impedance: 50 Ohms nominal. Frequency Range: DC to 15 GHz. VSWR: $1.06 + .005 \times f(\text{GHz})$; DC to 12.4 GHz. $.83 + .023 \times f(\text{GHz})$; 12.4 to 15GHz. Insertion Loss: .18 dB max @ 9 GHz. Working Voltage: 335 Vrms max @ sea level. Dielectric Withstanding Voltage: 1000 Vrms min. R.F. HiPot Voltage: 1000 Vrms min @ 5MHz. Corona Level: 250 Vrms @ 70,000 ft. Insulation Resistance: 5000 MegOhms min. R.F. Leakage: -65 dB min from 2 to 3 GHz Contact Resistance: Initial: Center Contact: 4.1 Milliohm max. Outer Contact: 2.2 Milliohm max. After Environment: Center Contact: 6.0 Milliohm max. Outer Contact: NA.	Mating Characteristics: Interface per Mil-Std-348. Force To Engage & Disengage: Torque: 6 inch-pounds 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 pounds min. Radial Torque: 4 inch-ounces min. Coupling Proof Torque: 15 in-lbs min Coupling Mech Retention Force: 60 lbs min.	Temperature Range: -65°C to +165°C. Thermal Shock: Mil-Std-202, Method 107, Test Cond. C. Moisture Resistance: Mil-Std-202, Method 106, except step 7b shall be omitted. Insulation resistance at least 1000 MegaOhms 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:
Body & Coupling Nut: Passivate per ASTM A-967. Center Conductor: Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290.

APPLICABLE CARLISLE IT DOCUMENTS		
WORK STD	PROD INST	ASSY INST
NA	NA	NA

NOTICE

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TOLERANCES AND NOTES EXCEPT AS NOTED	
UNLESS OTHERWISE SPECIFIED	1. FRACTIONS ± 1/32
1. MACHINE FINISH .005 MAX	2. BREAK ALL SHARP EDGES AND MAX.
2. MACHINED SURFACES TO BE TO PERMISSIVE QUALITY	3. DIMENSIONS TO BE MET BEFORE PLATING
3. DIMENSIONS TO BE MET BEFORE PLATING	4. THREADS PER MIL-STD
4. THREADS PER MIL-STD	5. REMOVE ALL BURRS.

MATERIAL		SPECIFICATION		REQUIREMENT	
APPROVAL INITIALS	DATE			TYPE N MALE TO SMA FEMALE ADAPTER	
DESIGN BY	APPD				
DESIGNED BY	DATE	SIZE: 4:1 C 30990		SHEET 1 OF 1 5004	