



REVISIONS			
REV	DESCRIPTION	DATE	BY
A	ECO 14699	07.17.02	ATV
B	ECO 21464	07.23.08	DKN
C	ECO 25054 (CHG TEMP RANGE)	11.8.11	YP

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 or AMS 5587 Center Conductor: BeCu alloy per ASTM B-196. Retaining Ring: BeCu alloy per ASTM B-196 or ASTM B-197. Dielectric: PTFE per ASTM D-171D. 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 GHz. Insertion Loss: .5D dB max to 40 GHz. Working Voltage: 500 Vrms max @ sea level. Dielectric Withstanding Voltage: 1500 Vrms min. R.F. HiPot Voltage: 1000 Vrms min @ 5MHz. Corona Level: 375 Vrms @ 70,000 ft. Insulation Resistance: 5000 MegOhms min. R.F. Leakage: -90 dB min from 2 to 3 GHz 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.	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: Axial Force: 6 pounds min. Torque: 4 inch-ounces min. Coupling Proof Torque: 15 inch-pounds min. Coupling Mech. Retention: 80 pounds min.	Temperature Range: -55°C to +125°C. Thermal Shock: Mil-Std-202, Method 107, Test Cond. B. Temperature Cycle: Mil-Std-202, Method 102, Test Cond. 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 Cond. B. Vibration: Mil-Std-202, Method 204, Test Cond. D. Shock: Mil-Std-202, Method 213, Test Cond. I.

FINISH(ES):	APPLICABLE CARLISLE IT DOCUMENTS			TOLERANCES AND NOTES EXCEPT AS NOTED UNLESS SPECIFIED OTHERWISE UNLESS OTHERWISE SPECIFIED FRACTIONS 1/32	MATERIAL		SPECIFICATION		PROCUREMENT	
	WORK STD	PROD INST	ASSY INST		APPROVAL INITIALS	DATE	TITLE	QUANTITY	DATE	BY
Body, R/A Body And Coupling Nut: (for CCSF's) Passivate per ASTM A-967. (for CC's) Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290. Center Conductor: Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290.	NA	NA	NA	AGS	06.13.01	SMK(2.92mm) MALE TO SMK(2.92mm) FEMALE RADIALS RIGHT ANGLE ADAPTER	1	11/08/11	1	C
NOTICE THE DRAWING CARRIES A CONFIDENTIAL PROPRIETARY DESIGN ORIGINATED BY CARLISLE NETWORK TECHNOLOGIES AND ALL RIGHTS RESERVED. REPRODUCTION OR DISSEMINATION OF THIS DRAWING OR ANY INFORMATION CONTAINED HEREIN IS PROHIBITED WITHOUT THE WRITTEN PERMISSION OF CARLISLE NETWORK TECHNOLOGIES. THIS DRAWING IS THE PROPERTY OF CARLISLE NETWORK TECHNOLOGIES AND IS LOANED TO YOU FOR YOUR INFORMATION ONLY. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF CARLISLE NETWORK TECHNOLOGIES. ALL RIGHTS RESERVED.										
1. MACHINING FINISH RZ 1.60 2. BREAK ALL SHARP EDGES R0.25 MAX. 3. MACHINED SURFACES TO BE FREE OF DEFECTS 4. ALL MACHINING SURFACES TO BE FREE OF DEFECTS 5. MACHINED SURFACES TO BE FREE OF DEFECTS 6. SURFACES TO BE MET BEFORE PLATING 7. CLEAN ALL SURFACES 8. THREADS PER UN-28 9. REMOVE PROTECTIVE COATING 10. REMOVE ALL BURRS										
APPROVAL INITIALS AGS DATE 06.13.01 DESIGN ENGR DKN DATE 08.05.08 APPV HN DATE 11/08/11 ECO 30990 REV 221										