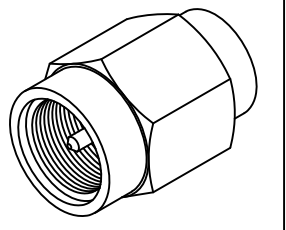
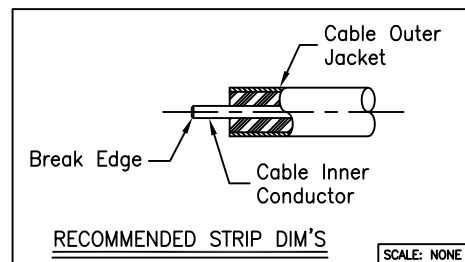
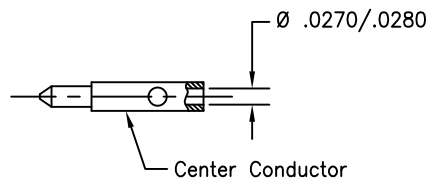
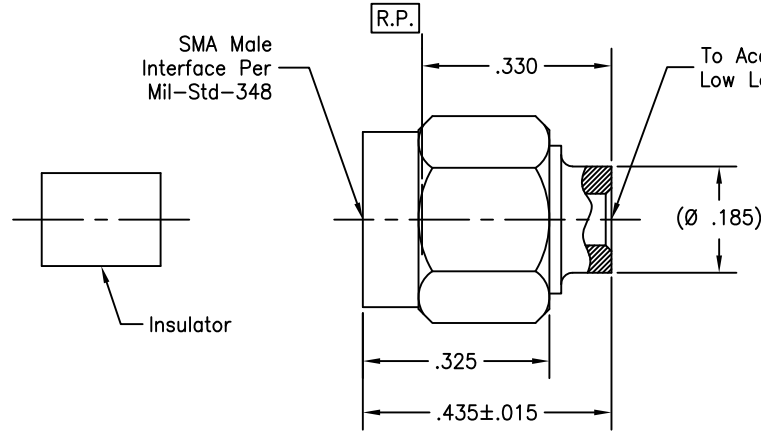
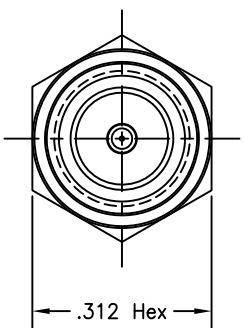





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P/N	COUPLING NUT FINISHED					REVISIONS			
BASIC	GOLD					REV	DESCRIPTION	DATE	BY
SF	PASSIVATED					A	ECO 202352 (ADD NEW NAME)	11.20.24	DKN



Note(s):
1. Center conductor and insulator are packaged and shipped unassembled.

MATERIAL(S): Body & Coupling Nut: 303 sst per ASTM A-582. Center Conductor: Brass Alloy C36000 per ASTM B-16. Retaining Ring: BeCu alloy per ASTM B-196 or ASTM B-197. Gasket: Silicone Rubber per A-A-59588 Insulator: PTFE per ASTM D-1710 or ASTM D-1457.	ELECTRICAL: Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.05 + 0.005 X f(GHz). Insertion Loss: 0.03 √f(GHz) dB max. Working Voltage: 335 V rms max @ sea level. D.W.V: 1,000 V rms min @ sea level. R.F. HiPot Voltage: 670 V rms min @ 5MHz. Corona Level: 250 V rms min @ 70,000 ft. Insulation Resistance: 5,000 MegOhms min. R.F. Leakage: -(90 - fGHz) dB min. 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.	MECHANICAL: 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. Coupling Proof Torque: 15 inch-pounds min. Coupling Mech. Retention: 60 pounds min.	ENVIRONMENTAL: Operating Temperature: -65°C to +165°C. Thermal Shock: Mil-Std-202, Method 107, Test Cond. B, except high temperature shall be +115°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.
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FINISH(ES): Coupling Nut: (for BASIC): Gold plate per ASTM B 488, Type II, Code C, Class 0.25, over nickel under plate per SAE AMS-QQ-N-290, Class 1. (for SF): Passivate per ASTM A 967 or SAE AMS 2700. Body & Center Conductor: Gold plate per ASTM B-488, Type II, Code C or D, Class 0.25 over nickel under plate per SAE AMS-QQ-N-290, Class 1.	APPLICABLE Amphenol CDI DOCUMENTS WORK STD PROD INST ASSY INST NA NA NA	TOLERANCES AND NOTES EXCEPT AS NOTED INTERPRET DRAWING PER ASME Y14.5-2018 DIMENSIONS ARE IN INCHES: LINEAR .JXX ±.015 .00X ±.005 ANGULAR ± 1/2° FRACTION ± 1/32 1. MACHINE FINISH: 43/RMS 2. BREAK ALL SHARP EDGES .003 MAX. 3. MACHINED FILLETS .005 MAX. 4. MACHINED SURFACES SQUARE TO RESPECTIVE AXES WITHIN .005 INCHES PER INCH. 5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R. 6. DIMENSIONS TO BE MET BEFORE PLATING. 7. CHAMFER ALL THREADS 45°. 8. THREADS PER 1H-26. 9. REMOVE FRAYED EDGES ON TEFLON. 10. REMOVE ALL BURRS.	NOTICE THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN OWNED BY Amphenol CDI AND ALL DESIGN, MANUFACTURING, RE-PRODUCTION, USE AND SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IF IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIED PURPOSE AND THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON TO INCORPORATE INTO OTHER PRODUCTS ANY SPECIAL FEATURE PECULIAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY Amphenol CDI, Cerritos, CA 90703	<table border="1"> <tr> <td colspan="2">MATERIAL</td> <td colspan="2">SPECIFICATION</td> <td colspan="2">PROCUREMENT</td> </tr> <tr> <td>APPROVAL INITIALS</td> <td>DATE</td> <td colspan="2" rowspan="4">  </td> <td colspan="2">12900 Alondra Blvd. Cerritos, CA 90703</td> </tr> <tr> <td>DRAWN BY</td> <td>P.MAO 08.19.08</td> <td colspan="2">TITLE</td> <td>SMA MALE STRAIGHT TO Ø .085 LOW LOSS CABLE</td> </tr> <tr> <td>CHECKED BY</td> <td>P.MAO 02.24.09</td> <td>SCALE</td> <td>6:1</td> <td>DIRECTORY\SUB-DIRECTORY</td> <td>SHEET 1 of 1</td> </tr> <tr> <td>TEST ENGG</td> <td></td> <td>SIZE</td> <td>C</td> <td>CAGE CODE</td> <td>30990</td> </tr> <tr> <td>QUALITY</td> <td></td> <td>DESIGN ENGG</td> <td>P.MAO 02.24.09</td> <td>DRAWING NO.</td> <td>5285-11</td> </tr> <tr> <td>MFG ENGG</td> <td></td> <td>ECO APPRV</td> <td>DNg</td> <td>REV</td> <td>A</td> </tr> </table>	MATERIAL		SPECIFICATION		PROCUREMENT		APPROVAL INITIALS	DATE			12900 Alondra Blvd. Cerritos, CA 90703		DRAWN BY	P.MAO 08.19.08	TITLE		SMA MALE STRAIGHT TO Ø .085 LOW LOSS CABLE	CHECKED BY	P.MAO 02.24.09	SCALE	6:1	DIRECTORY\SUB-DIRECTORY	SHEET 1 of 1	TEST ENGG		SIZE	C	CAGE CODE	30990	QUALITY		DESIGN ENGG	P.MAO 02.24.09	DRAWING NO.	5285-11	MFG ENGG		ECO APPRV	DNg	REV	A
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