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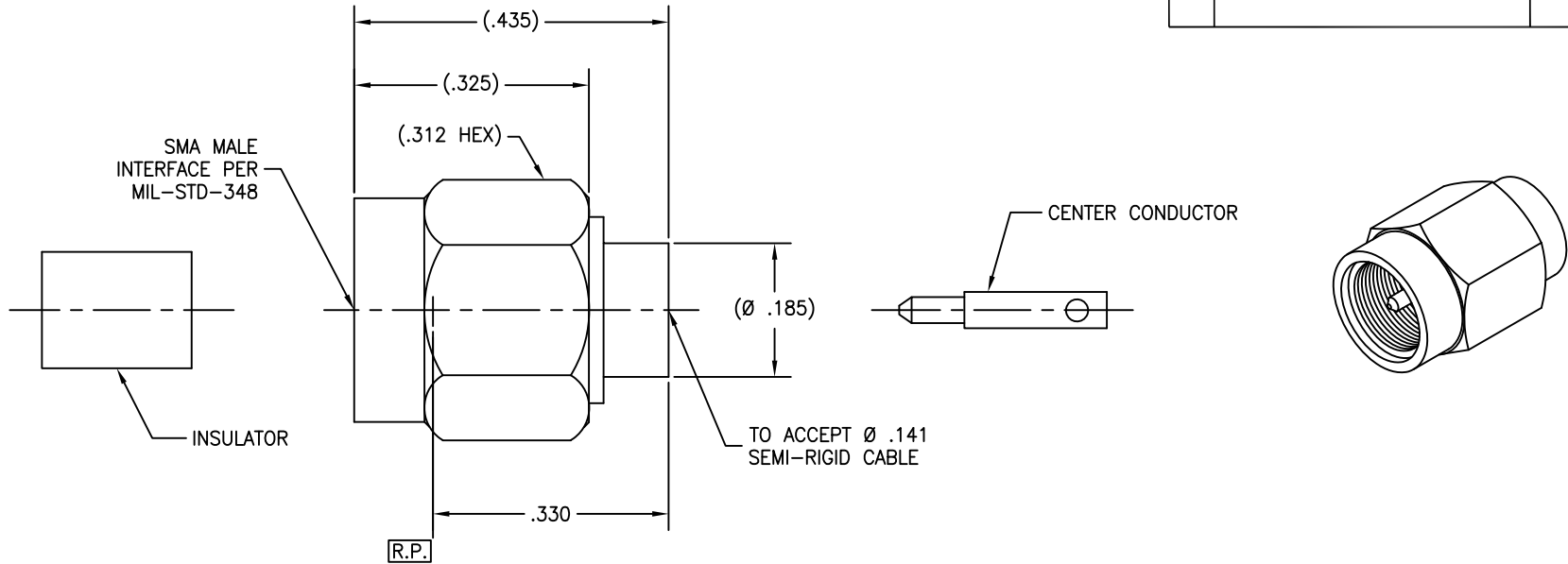
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P/N
BASIC
SF

REVISIONS			
REV	DESCRIPTION	DATE	BY
A	ECO 19630	10.04.06	DKN
B	ECO 202352 (ADD NEW NAME)	11.20.24	DKN



NOTE:
CENTER CONDUCTOR & INSULATOR TO BE PACKAGED AND SHIPPED UNASSEMBLED.

MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body & Coupling Nut: 303 sst per ASTM A-582. Center Conductor: Brass Alloy C360 per ASTM B-16. Retaining Ring: BeCu alloy per ASTM B-197. Gasket: Silicone Rubber per A-A-59588 Insulator: PTFE per ASTM D-1710.	Impedance: 50 Ohms nominal. Freqancy Range: DC to 18.0 GHz. VSWR: 1.05 + .005f(GHz). Insertion Loss: .03√f(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 - fGHz) dB. Contact Resistance: Initial: Center Contact: 2.0 Milliohm max. Outer Contact: 2.0 Milliohm max. After Environment: Center Contact: 3.0 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. Coupling Proof Torque: 15 inch-pounds min. Coupling Mech. Retention: 60 pounds min.	Temperature Range: -65°C to +165°C. Thermal Shock: Mil-Std-202, Method 107, Test Cond. A. 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:	APPLICABLE Amphenol CDI DOCUMENTS	TOLERANCES AND NOTES EXCEPT AS NOTED	MATERIAL		SPECIFICATION		PROCUREMENT																																							
Coupling Nut: (for SF): Passivated per ASTM A-967. (for BASIC): Gold plate per ASTM B-488, Type II, Code C, Class .25; Over nickel under plate per SAE-AMS-QQ-N-290, Class 1. Body & 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.	<table border="1"> <thead> <tr><th>WORK STD</th><th>PROD INST</th><th>ASSY INST</th></tr> </thead> <tbody> <tr><td>NA</td><td>NA</td><td>NA</td></tr> </tbody> </table>	WORK STD	PROD INST	ASSY INST	NA	NA	NA	INTERPRET DRAWING PER ASME Y14.5-2018 DIMENSIONS ARE IN INCHES: LINEAR .JXX ±.015 .JXX ±.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 AXIS 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 11-26. 9. REMOVE FRAYED EDGES ON TEFLON. 10. REMOVE ALL BURRS.	<table border="1"> <thead> <tr><th>APPROVAL INITIALS</th><th>DATE</th></tr> </thead> <tbody> <tr><td>IMG</td><td>03.12.02</td></tr> </tbody> </table>	APPROVAL INITIALS	DATE	IMG	03.12.02	<table border="1"> <thead> <tr><th>DRAWN BY</th><th>TEST ENGG</th><th>QUALITY</th></tr> </thead> <tbody> <tr><td>DNg</td><td></td><td></td></tr> <tr><td>DNg</td><td></td><td></td></tr> <tr><td>DNg</td><td></td><td></td></tr> </tbody> </table>	DRAWN BY	TEST ENGG	QUALITY	DNg			DNg			DNg			<table border="1"> <thead> <tr><th>SCALE</th><th>DIRCTORY\SUB-DIRECTORY</th></tr> </thead> <tbody> <tr><td>10/1</td><td>OUTLINE\</td></tr> </tbody> </table>	SCALE	DIRCTORY\SUB-DIRECTORY	10/1	OUTLINE\	<table border="1"> <thead> <tr><th>SHEET</th><th>1 of 1</th></tr> </thead> <tbody> <tr><td>5285-1</td><td></td></tr> </tbody> </table>	SHEET	1 of 1	5285-1		<table border="1"> <thead> <tr><th>SIZE</th><th>CAGE CODE</th><th>DRAWING NO.</th><th>REV</th></tr> </thead> <tbody> <tr><td>C</td><td>30990</td><td>5285-1</td><td>B</td></tr> </tbody> </table>	SIZE	CAGE CODE	DRAWING NO.	REV	C	30990	5285-1	B	Amphenol CDI 12900 Alondra Blvd. Cerritos, CA 90703 TITLE SMA MALE STRAIGHT TO Ø .141 SEMI-RIGID CALBE (W/ CONTACT)
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