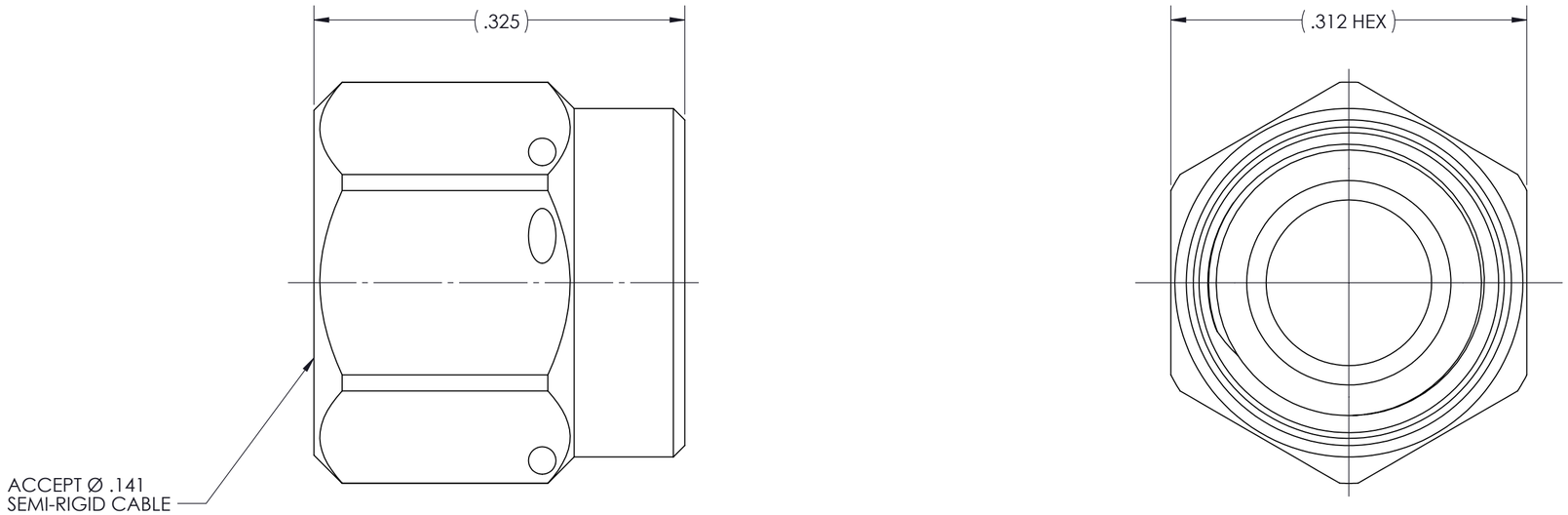
P/N
5319
5319SF
5319NP

REVISION HISTORY			
REV.	DESCRIPTION	DRAWN BY	DATE
A	ECO 23278	DKN	06.22.10
B	ECO 202352 (ADD NEW NAME)	DKN	11.26.24
H	ECO 205363 (REDRAW IN SOLIDWROKS)	K.LE	03.09.26



NOTE(S):
1. ALL ITEMS TO BE PACKAGED, AND SHIPED UNASSEMBLED.

MATERIAL(S):

BODY, AND COUPLING NUT:
303 SST PER ASTM A-582.
RETAINING RING:
BeCu ALLOY PER ASTM B-196.
GASKET:
SILLICONE RUBBER PER A-A-59588.

ELECTRICAL(S):

IMPEDANCE: 50 OHMS NOMINAL.
FREQUENCY RANGE: DC TO 18.0 GHZ.
VSWR: 1.035+.005*f (GHz).
INSERTION LOSS: $.03\sqrt{f}$ (GHz).
WORKING VOLTAGE: 335 Vrms MAX @ SEA LEVEL.
R.F. HIPOT VOLTAGE: 670 Vrms MIN @5MHZ.
CORONA LEVEL: 250 Vrms @ 70,000 FT.
INSULATION RESISTANCE: 10000 MegaOhms MIN.

MECHANICAL(S):

MATING CHARACTERISTICS:
INTERFACE PER MIL-STD-348.
FORCE TO ENGAGE & DISENGAGE:
TORQUE: 2 INCH-POUNDS MAX.
LONGITUDINAL FORCE: N/A.
CONNECTOR DURABILITY:
500 CYCLES MIN @ 12 CYCLES/MINS MAX.
PERMEABILITY: LESS THAN 2.0 MU.
CABLE RETENTION FORCE: 60 LBS MIN.
COUPLING PROOF TORQUE: 15 INCH-POUNDS MIN.
COUPLING MECH. RETENTION: 60 POUNDS MIN.

ENVIROMENTAL(S):

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 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(ES):

BODY, AND COUPLING NUT:
(FOR 5319SF): PASSIVATED PER ASTM A-967.
(FOR 5319): GOLD PLATE PER ASTM B488; OVER NICKEL UNDERPLATE PER SAE-AMS-QQ-N-290.
(FOR 5319 NP): BRIGHT NICKEL PLATE PER SAE-AMS-QQ-N-290.

APPLICABLE Amphenol CDI DOCUMENTS

WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA

THE INFORMATION CONTAINED HEREIN IS PROPRIETARY TO AMPHENOL AND SHALL IN NO WAY BE REPRODUCED OR DISCLOSED IN WHOLE OR IN PART OR USED FOR ANY DESIGN OR MANUFACTURE EXCEPT WHEN SUCH USER POSSESSES DIRECT, WRITTEN AUTHORIZATION FROM AMPHENOL.

TOLERANCES AND NOTES
EXCEPT AS NOTED
DIMENSIONS ARE IN INCHES.
LINEAR .XX ±.015 / .XXX ±.005
FRACTION ± 1/32 ANGULAR ± 1/2°
1. INTERPRET DRAWING PER ASME Y14.5 - 2018
2. MACHINE FINISH: 63 RMS
3. BREAK ALL SHARP EDGES .003 MAX.
4. MACHINED FILLETS .005 MAX.
5. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.
6. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
7. DIMENSIONS TO BE MET AFTER PLATING.
8. CHAMFER ALL THREADS 45°.
9. THREADS PER H-28
10. REMOVE FRAYED EDGES ON TEFLON.
11. REMOVE ALL BURRS.

MATERIAL		
APPROVAL	INITIALS	DATE
DRAWN BY	IMG	03.11.02
CHECKED BY		
TEST ENG		
QUALITY		
DESIGN ENG	ATV	08.29.02
MFG ENG		
ECO APPRV	SEE ECO	03.09.26

-	SPECIFICATION	- PROCUREMENT

Amphenol CDI
12900 Alondra Blvd.
Cerritos, CA 90703

TITLE: SMA MALE STRAIGHT TO Ø .141 SEMI-RIGID CABLE (NO CONTACT)

SCALE	SUB-DIRECTORY/	SHEET	OF
10:1	OUTLINE_	1	1

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	5319	H