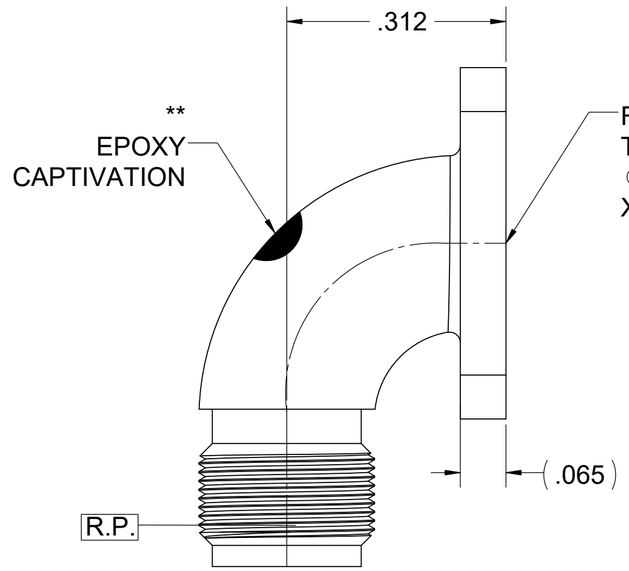
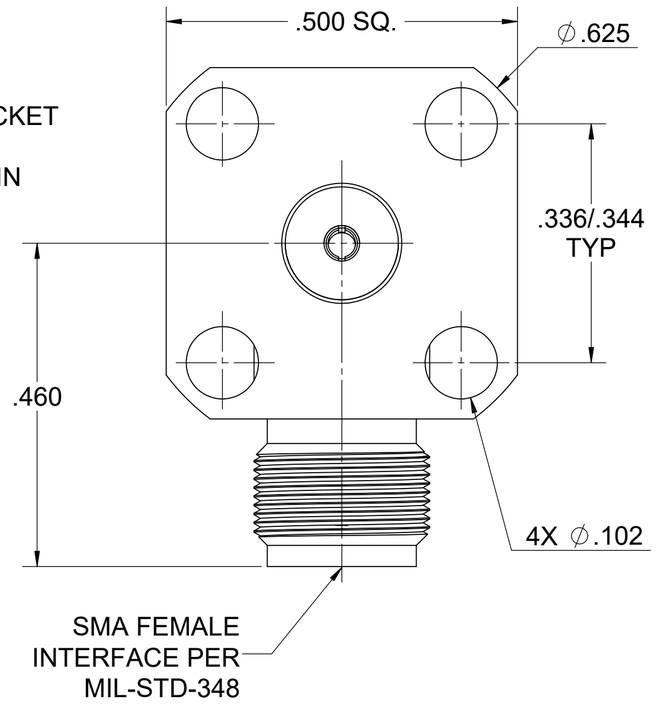
P/N	∅ A ±.001
-1	.036
-1CC	.036
-1CCCE	.036
-1CCCESF	.036
-1CCSF	.036
-1SF	.036
-2	.020
-2CC	.020
-2CCCE	.020
-2CCCESF	.020
-2CCSF	.020
-2SF	.020
-3	.010
-3CC	.010
-3CCCE	.010
-3CCCESF	.010
-3CCSF	.010
-3SF	.010

P/N	∅ A ±.001
-4	.012
-4CC	.012
-4CCCE	.012
-4CCCESF	.012
-4CCSF	.012
-4SF	.012
-5	.015
-5CC	.015
-5CCCE	.015
-5CCCESF	.015
-5CCSF	.015
-5SF	.015
-6	.018
-6CC	.018
-6CCCE	.018
-6CCCESF	.018
-6CCSF	.018
-6SF	.018

REVISION HISTORY

ECO	REV.	DESCRIPTION	DRAWN BY	DATE
27922	D	-	DKN	07.15.14
34097	E	-	DT	09.06.18
202352	F	ADD NEW NAME	DKN	11.21.24
205812	G	REDRAWN IN SW	PAW	06.23.26





NOTE(S):
1. OUTLINE DRAWING REVISION IS INDEPENDENT OF PRODUCTION REVISION.
2. **NOT APPLICABLE TO BASIC AND SF

MATERIAL(S):

BODY:
304 SST PER SAE-AMS-5511.
CENTER CONDUCTOR:
BeCu ALLOY PER ASTM B-196.
DIELECTRIC:
PTFE PER ASTM D-1710.
EPOXY: (for CC's)
SIGMA VF TYPE HV.
EPOXY: (for CCCE's)
ECCOBOND 56C.

ELECTRICAL(S):

IMPEDANCE: 50 OHMS NOMINAL.
FREQUENCY RANGE: DC TO 18 GHz.
TYPICAL VSWR: 1.06 + .010 x f(GHz).
INSERTION LOSS: .10 dB MAX @ 6GHz.
WORKING VOLTAGE:
335 Vrms MAX @ SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE:
1,500 Vrms MIN.
R.F. HiPOT VOLTAGE: 1,000 Vrms MIN @ 5MHz.
CORONA LEVEL: 375 Vrms @70,000 ft.
INSULATION RESISTANCE:
5000 MEGOHMS MIN.
R.F. LEAKAGE: -60 dB MIN. FROM 2-3 GHz.
CONTACT RESISTANCE:
INITIAL:
CENTER CONTACT: 3.0 Milliohms MAX.
OUTER CONTACT: 2.0 Milliohms MAX.

MECHANICAL(S):

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 CAPTIVATION:
AXIAL FORCE: 6 POUNDS MAX.
RADIAL TORQUE: 4 INCH-OUNCES MAX.

* APPLICABLE TO CC, CCSF, CCCE & CCCESF

ENVIROMENTAL(S):

TEMPERATURE RANGE:
-65˚C TO +125˚C (ALL CAPTIVATED).
-65˚C TO +165˚C (BASIC & SF).
THERMAL SHOCK:
MIL-STD-202, METHOD 107, TEST. COND. B
MOISTURE RESISTANCE:
MIL-STD-202, METHOD 106, INSULATION RESISTANCE AT LEAST 200 MEGOHMS WITHIN 5 MINUTE 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:
(for SF's) PASSIVATE PER ASTM A-967.
(for BASIC & CC'S) 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.
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.

RoHS 3 Compliant EU 2015/863

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
MACHINE FINISH: 63 RMS
2. BREAK ALL SHARP EDGES .003 MAX.
3. MACHINED FILLETS .005 MAX.
4. MACHINED SURFACES SQUARE TO RESPECT-IVE AXIS WITHIN .005 INCHES PER INCH.
5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
6. DIMENSIONS TO BE MET AFTER PLATING.
7. CHAMFER ALL THREADS 45°.
8. THREADS PER H-28
9. REMOVE FRAYED EDGES ON TEFLON.
10. REMOVE ALL BURRS.

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MATERIAL	SPECIFICATION	PROCUREMENT

APPROVAL	INITIALS	DATE
DRAWN BY	R.C.	03/21/02

SEE ECO FOR APPROVAL SIGNATURES

Amphenol CDI 12900 Alondra Blvd. Cerritos, CA 90703

TITLE: SMA FEMALE RADIUS R/A 4 HOLE FLANGE (.500 SQ) MOUNT FIELD REPLACEABLE

SCALE		SHEET	OF
6:1		1	1

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	5530	G