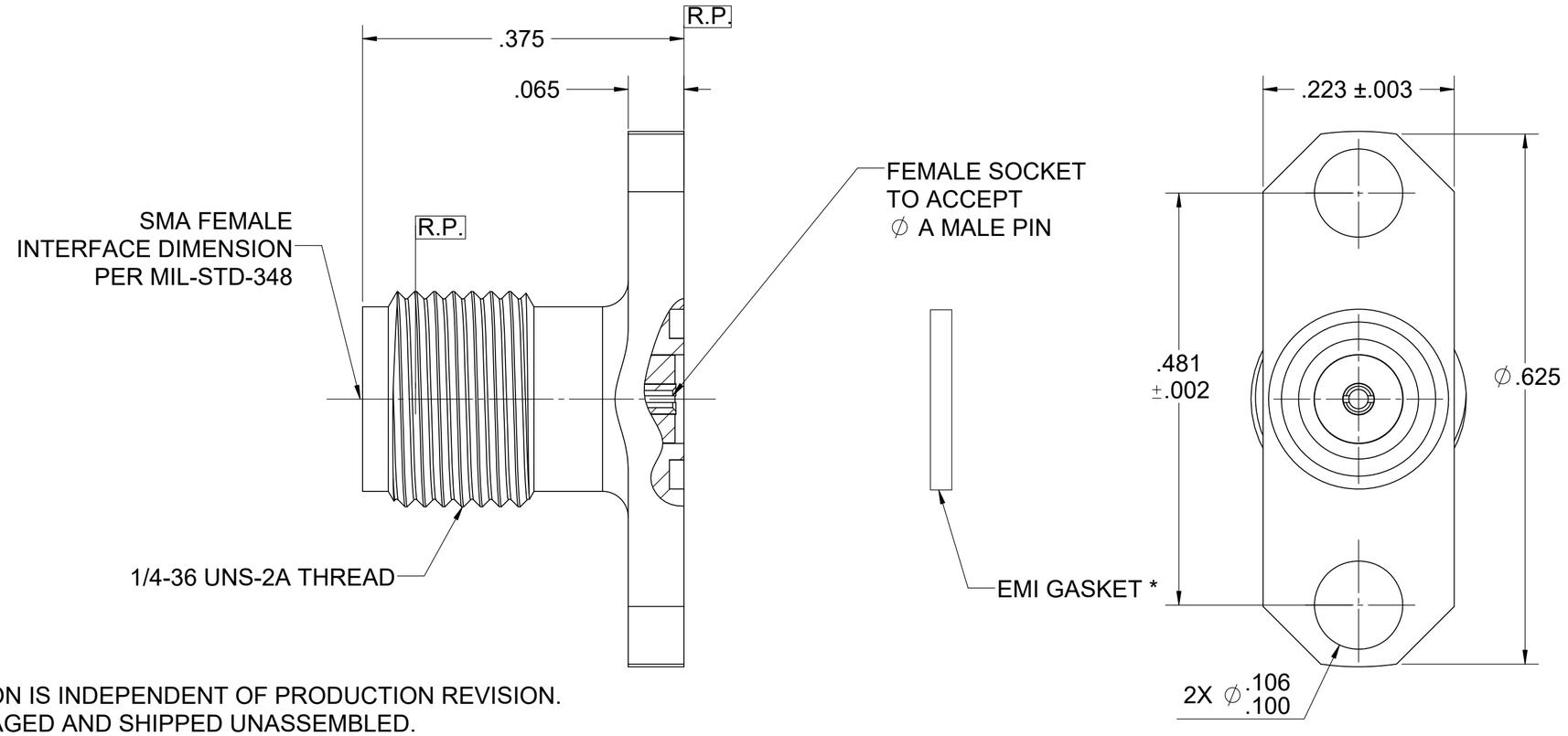
P/N	∅ A
-2CC	.0200 ±.0005
-2CCSF	
-3CC	.0100 ±.0005
-3CCSF	
-4CC	.0120 ±.0005
-4CCSF	
-5CC	.0150 ±.0005
-5CCSF	
-6CC	.0180 ±.0005
-6CCSF	

REVISION HISTORY

ECO	REV.	DESCRIPTION	DRAWN BY	DATE
23438	A	INITIAL RELEASE	DKN	08.12.10
202352	B	ADD NEW NAME	DKN	11.21.24
205812	C	REDRAWN IN SW	PAW	06.24.26



NOTE(S):
1. OUTLINE DRAWING REVISION IS INDEPENDENT OF PRODUCTION REVISION.
2. * EMI GASKET TO BE PACKAGED AND SHIPPED UNASSEMBLED.

MATERIAL(S):

BODY:
303 SST PER ATSM A-582.
CENTER CONDUCTOR:
BeCu ALLOY PER ASTM B-196.
DIELECTRIC:
PTFE PER ASTM D 1710.
EMI GASKET:
SILICONE PER MIL-G-83528.

ELECTRICAL(S):

IMPEDANCE: 50 OHMS NOMINAL.
FREQUENCY RANGE: DC TO 26.0 GHz.
VSWR: 1.06 + .005 x f(GHz).
INSERTION LOSS: .03 √f(GHZ) dB.
WORKING VOLTAGE: 335 Vrms MAX@SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE:
1,000 Vrms MIN.
R.F. HiPOT VOLTAGE: 670 Vrms MIN @ 5MHz.
CORONA LEVEL: 250 Vrms @ 70,000 ft.
INSULATION RESISTANCE: 5000 MEGOHMS MIN.
R.F. LEAKAGE: -90 dB MIN AT 2-3 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.

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 FROM INTERFACE:
6 POUNDS MIN
AXIAL FORCE FROM REAR END:
3 POUNDS MIN

ENVIROMENTAL(S):

TEMPERATURE RANGE: -65°C TO +165°C.
THERMAL SHOCK:
MIL-STD-202, METHOD 107, TEST COND. B, EXCEPT HIGH TEMP SHALL BE 165°C.
MOISTURE RESISTANCE:
MIL-STD-202, METHOD 106. INSULATION RESISTANCE SHALL BE AT LEAST 200 MEGOHMS WITHIN 5 MINUTES AFTER REMOVAL FROM HUMIDITY.
CORROSION:
MIL-STD-202, METHOD 101, TEST COND. C.
VIBRATION:
MIL-STD-202, METHOD 204, TEST COND. D.
SHOCK:
MIL-STD-202, METHOD 213, TEST COND. I.

FINISH(ES):

BODY:
(for CCSF's): PASSIVATE PER ASTM A 967, NITRIC 1.
(for CC's): GOLD PLATE ASTM B 488, TYPE II, CODE C, CLASS 0.25;
OVER NICKEL UNDERPLATE PER SAE AMS-QQ-N-290, CLASS 1.
CENTER CONDUCTOR:
GOLD PLATE ASTM B 488, TYPE II, CODE C OR D, CLASS 1.25;
OVER NICKEL UNDERPLATE 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
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	R.C.	04/01/02

SEE ECO FOR APPROVAL SIGNATURES

SPECIFICATION	PROCUREMENT
-	-

Amphenol CDI 12900 Alondra Blvd. Cerritos, CA 90703

TITLE: SMA FEMALE 2 HOLE FLANGE (.223 X .625) MOUNT FIELD REPLACEABLE (W/ GASKET)

SCALE		SHEET	OF
8:1		1	1

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	5602	C