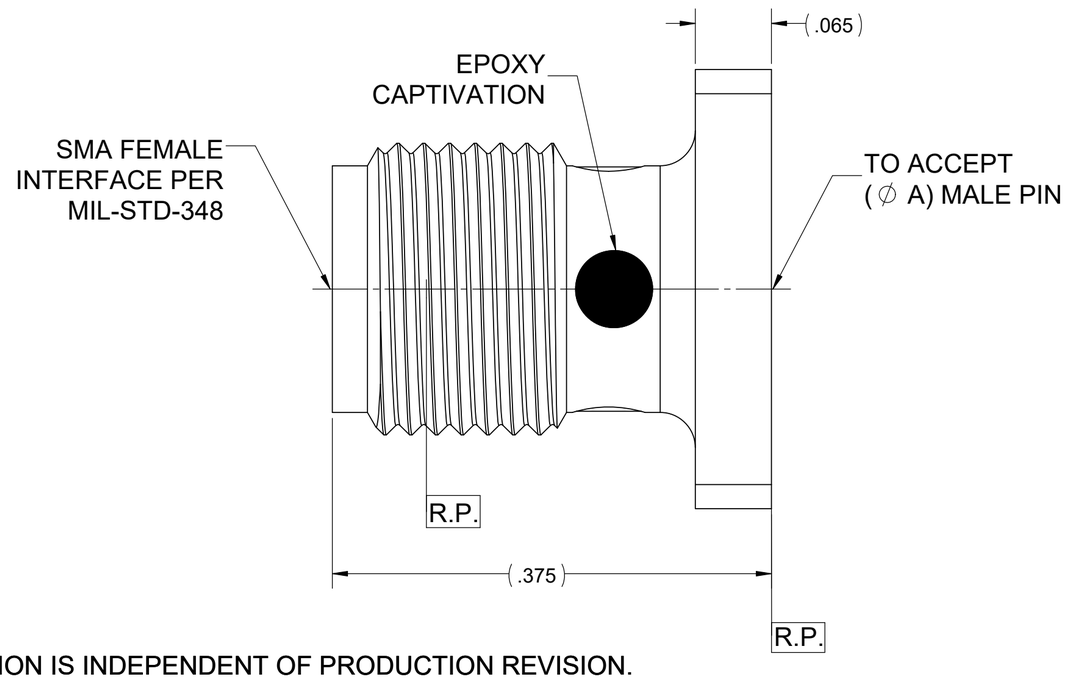
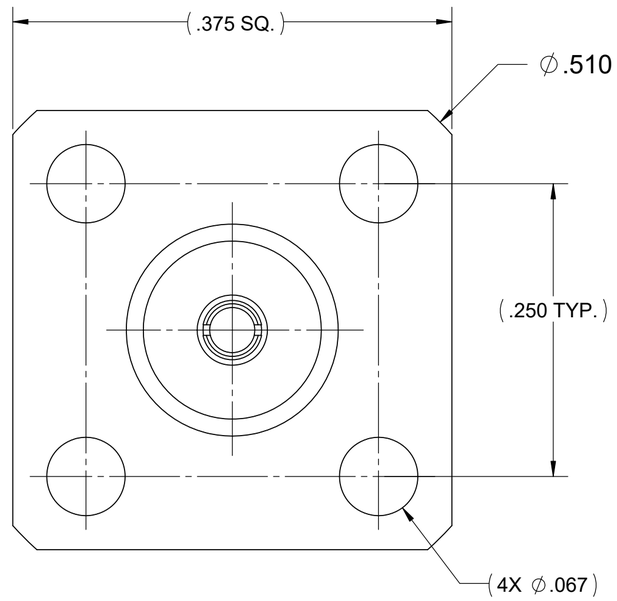
P/N	(∅ A)
5937-1CC	.036
5937-1CCSF	.036
5937-2CC	.020
5937-2CCSF	.020
5937-3CC	.010
5937-3CCSF	.010
5937-4CC	.012
5937-4CCSF	.012
5937-5CC	.015
5937-5CCSF	.015
5937-6CC	.018
5937-6CCSF	.018

REVISION HISTORY

ECO	REV.	DESCRIPTION	DRAWN BY	DATE
19912	A	INITIAL RELEASE	SLM	01.22.07
205814	B	REDRAWN IN SW	PAW	07.15.26





NOTE(S):
1. OUTLINE DRAWING REVISION IS INDEPENDENT OF PRODUCTION REVISION.

MATERIAL(S):

BODY:
303 SST PER ASTM A-582.
CENTER CONDUCTOR:
BeCu ALLOY PER ASTM B-196.
DIELECTRIC:
PTFE PER ASTM D-1710.
EPOXY:
SIGMA VF TYPE HV.

ELECTRICAL(S):

IMPEDANCE: 50 OHMS NOMINAL.
FREQUENCY RANGE: DC TO 18.0 GHz.
VSWR: 1.05 + .007 x f(GHz).
INSERTION LOSS: .04√f(GHz) dB MAX.
WORKING VOLTAGE: 335 Vrms MAX@SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE:
1,000 Vrms @ SEA LEVEL TEST AT 60 Hz.
R.F. HiPOT VOLTAGE: 670 Vrms @ 7.5 MHz.
CORONA LEVEL: 250 Vrms @ 70,000 ft.
INSULATION RESISTANCE: 5,000 MEGOHMS MIN.
CONTACT RESISTANCE:
CENTER CONTACT: 4.0 Milliohm MAX.
OUTER CONTACT: 2.0 Milliohm MAX.

MECHANICAL(S):

MATING CHARACTERISTICS:
INTERFACE PER MIL-STD-348.
FORCE TO ENGAGE & DISENGAGE (CONTACT):
ENGAGE: 3 POUNDS MAX.
DISENGAGE: 1 OZ MIN.
FORCE TO ENGAGE & DISENGAGE (CONNECTOR):
2 INCH-POUNDS MAX TORQUE.
CONNECTOR DURABILITY:
500 CYCLES MIN @ 12 CYCLES/MINUTE MAX.
PERMEABILITY: LESS THAN 2.0 mu.
CENTER CONTACT CAPTIVATION:
AXIAL FORCE: 6 POUNDS MIN.
RADIAL TORQUE: 4 INCH-OUNCES MIN.

ENVIROMENTAL(S):

TEMPERATURE RANGE: -55˚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 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(ES):

BODY:
(for CCSF's): PASSIVATE PER ASTM A-967.
(for CC's): GOLD PLATE PER ASTM B-488, OVER NICKEL UNDER PLATE PER AMS-QQ-N-290.
CENTER CONDUCTOR:
GOLD PLATE PER ASTM B-488, OVER NICKEL UNDER PLATE PER AMS-QQ-N-290.

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	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 4 HOLE (.375 SQ)
FLANGE MOUNT FIELD REPLACEABLE

SCALE		SHEET	OF
10:1		1	1

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	5937	B

ENG-SW REV. L