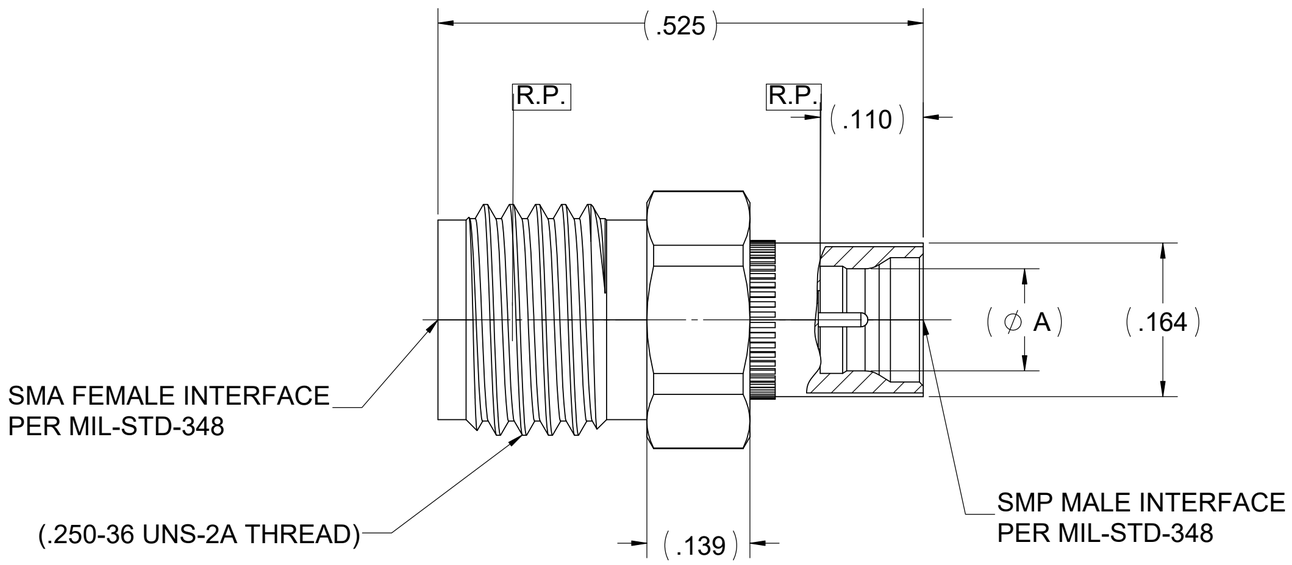
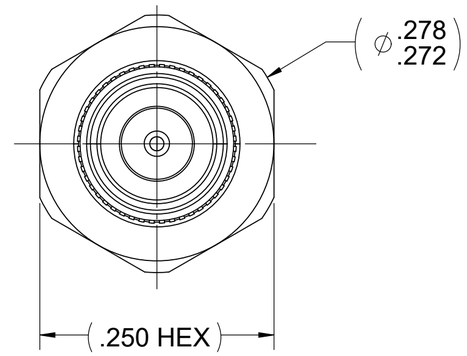
P/N	(∅ A)	SMP INTERFACE
P910-1CCSF	.120	LIMITED DETENT
P910-2CCSF	.125	SMOOTH BORE
P910-3CCSF	.116	FULL DETENT

REVISION HISTORY

ECO	REV.	DESCRIPTION	DRAWN BY	DATE
11193	B	-	E.A.	01.31.00
11853	C	-	DKN	05.22.00
12572	D	-	IMG	11.20.00
206517	E	REDRAWN IN SW	PAW	08.31.26





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.
INSULATOR:
PTFE PER ASTM D-1710.

ELECTRICAL(S):

IMPEDANCE: 50 OHMS NOMINAL.
FREQUENCY RANGE: DC TO 18 GHz.
VSWR: 1.15: 1 MAX TO 18 GHz.
INSERTION LOSS: 0.25 dB MAX TO 18 GHz.
WORKING VOLTAGE: 600 Vrms MAX @ SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE:
500 Vrms MIN.
R.F. HiPOT VOLTAGE: 325 Vrms MIN @ 5MHz.
CORONA LEVEL: 190 Vrms @ 70,000 fT.
INSULATION RESISTANCE: 5000 MEGOHMS MIN.
CONTACT RESISTANCE:
CENTER CONTACT: 10.0 mOHM MAX.
OUTER CONTACT: 2.0 mOHM MAX.
R.F. LEAKAGE: -60 dB MAX AT 18 GHz.

MECHANICAL(S):

MATING CHARACTERISTICS:
INTERFACE PER MIL-STD-348.
FORCE TO ENGAGE & DISENGAGE FOR SMA:
TORQUE: 2 INCH-POUNDS MAX.
LONGITUDINAL: NA.
FORCE TO ENGAGE & DISENGAGE FOR SMP:
ENGAGE:
FULL DETENT: 15.0 lbs MAX.
LIMITED DETENT: 10.0 lbs MAX.
SMOOTH BORE: 2.0 lbs. MAX.
DISENGAGE:
FULL DETENT: 5.0 lbs MIN.
LIMITED DETENT: 2.0 lbs MIN.
SMOOTH BORE: .50 lbs. MIN.
CENTER CONTACT RETENTION:
2 lbs MIN. AXIAL FORCE FOR SMA CONN.
1.5 lbs MIN AXIAL FORCE FOR SMP CONN.
CONNECTOR DURABILITY:
100 CYCLES 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, EXCEPT STEP 7B SHALL BE OMITTED. INSULATION RESISTANCE AT LEAST 1000 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:
PASSIVATE PER ASTM A-967.
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.

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MATERIAL	SPECIFICATION	PROCUREMENT

APPROVAL	INITIALS	DATE
DRAWN BY	BRD	02/29/98

SEE ECO FOR APPROVAL SIGNATURES

Amphenol CDI
12900 Alondra Blvd.
Cerritos, CA 90703

TITLE: SMP MALE STRAIGHT TO SMA FEMALE ADAPTER

SCALE	SHEET	OF
8:1	1	1

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	P910	E

ENG-SW REV. L