

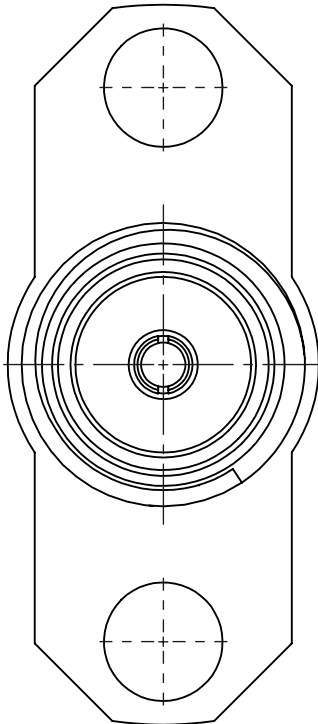
P/N

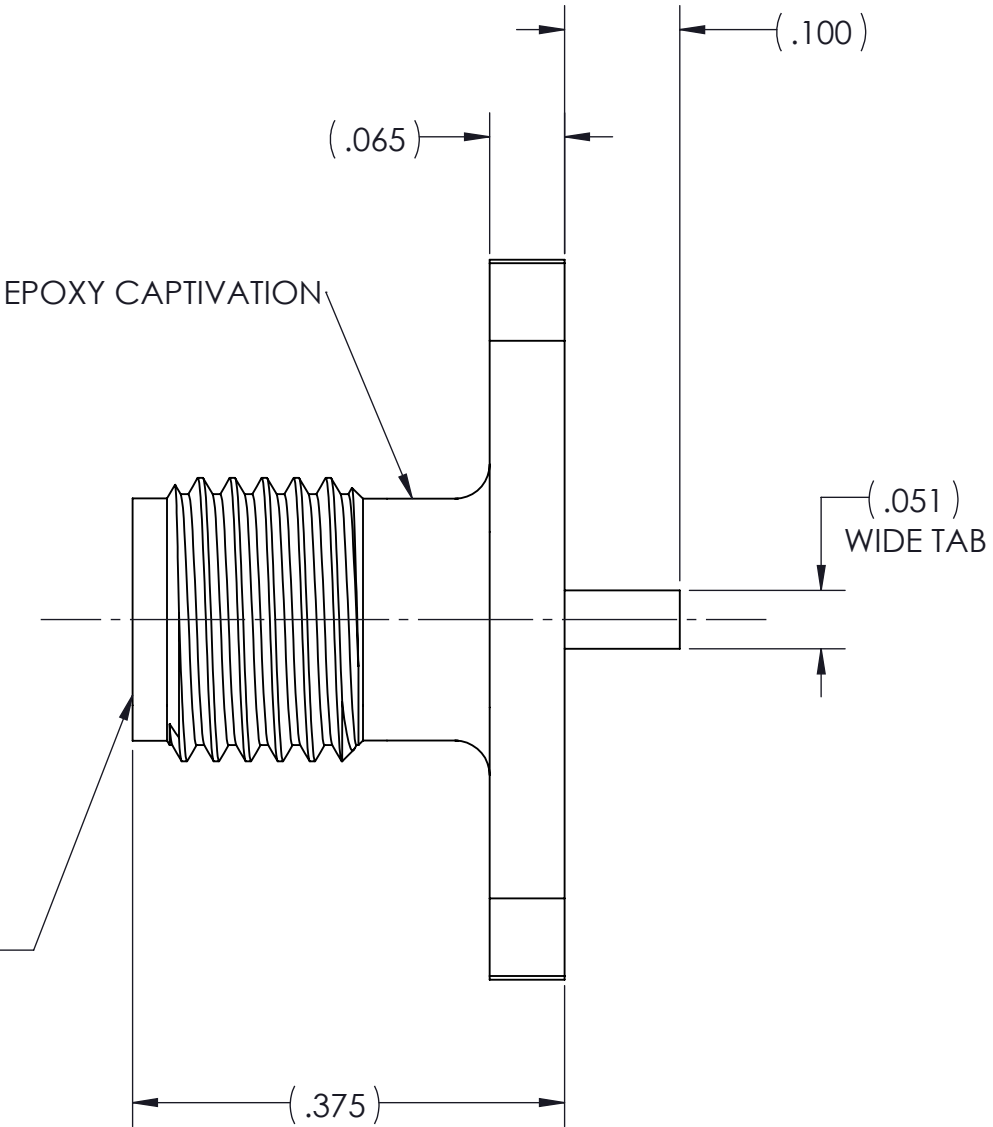
BASIC

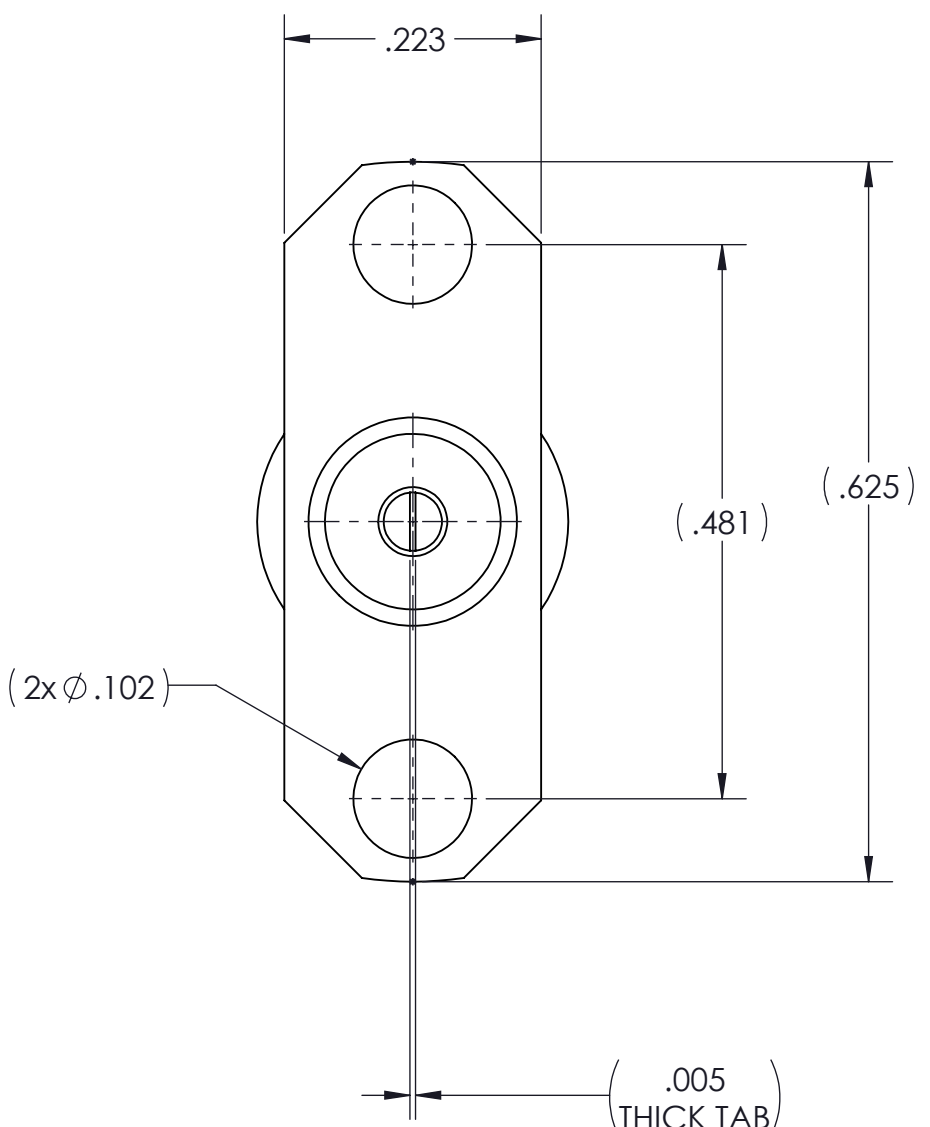
SF

CC

CCSF







NOTE(S):
1. CENTER CONDUCTOR TO BE SUPPLIED UNASSEMBLED FOR BASIC AND SF ONLY.
2. CONNECTOR TO BE SHIPPED WITH PROTECTIVE CAP (NOT SHOW), NOT APPLICABLE BTO BASIC & SF.

MATERIAL(S):
BODY:
303 SST PER ASTM A-582.
CENTER CONDUCTOR:
BeCu ALLOY PER ASTM B-196.
DIELECTRIC:
PTFE PER ASTM D-170.
EPOXY: (FOR CC; CCSF)
SIGMA VF TYPE HV.

ELECTRICAL(S):
IMPEDANCE: 50 OHMS NOMINAL.
FREQUENCY RANGE: DC TO 18.0 GHZ.
VSWR: 1.05+.005f (GHz).
INSERTION LOSS: .03√f (GHz).
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: 5,000 MegaOhms MIN.
R.F LEAKAGE: - (60-fGHz) dB MIN. FOR CC &CCSF.
-(90-fGHz)dB MIN FOR BASIC & SF.
CONTACT RESISTANCE:
INITIAL:
CENTER CONTACT: 3.0 MILLIOHM MAX.
OUTER CONTACT: 2.0 MILLIOHM MAX.
AFTER ENVIRONMENTAL:
CENTER CONTACT: 4.0 MILLIOHM MAX.
OUTER CONTACT: N/A.

MECHANICAL(S):
MATING CHARACTERISTICS:
INTERFACE PER MIL-STD-348.
FORCE TO ENGAGE & DISENGAGE:
TORQUE: 2 INCH-POUNDS MAX.
LONGITUDINAL FORCE: N/A.
CENTER CONTACT RETENTION:
AXIAL FORCE: 6LBS MIN.
CONNECTOR DURABILITY:
500 CYCLES MIN @ 12 CYCLES/MINS MAX.
PERMEABILITY: LESS THAN 2.0 MU.
* CENTER CONTACT CAPTIVATION:
AXIAL FORCE: 6LBS MIN.
RADIAL TORQUE: 4 INCH-OUNCES MIN.

*APPLICABLE TO CC & CCSF

ENVIROMENTAL(S):
TEMPERATURE RANGE: -65°C TO +125°C (FOR -CC)
-65°C TO +165°C (FOR BASIC & SF)
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:
(FOR SF & CCSF): PASSIVATED PER ASTM A967.
(FOR BASIC & CC): GOLD PLATE PER ASTM B488; OVER NICKEL UNDER PLATE PER SAE AMS-QQ-N-290.
CENTER CONDUCTOR:
GOLD PLATE PER ASTM B488, OVER NICKEL UNDER PLATE PER AMS-QQ-N-290.

APPLICABLE Amphenol CDI DOCUMENTS

WORK STANDARD	PROD INSTRU	ASSY INSTRU
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. 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		
APPROVAL	INITIALS	DATE
DRAWN BY	R.C	04.03.02
CHECKED BY		
TEST ENG		
QUALITY		
DESIGN ENG	DNG	10.22.09
MFG ENG		
ECO APPRV	SEE ECO	003.12.26

SPECIFICATION

PROCUREMENT

12900 Alondra Blvd.
Cerritos, CA 90703

TITLE

SMA FEMALE 2 HOLE FLANGE (.223X.625)
MOUNT TO VERT. TAB TERMINATION.

SCALE

6:1

SUB-DIRECTORY/
OUTLINE_

SHEET 1 of 1

SIZE

C

CAGE CODE

30990

DRAWING NO.

5251

REV.

G

ENG-SW REV. K

4

3

2

1