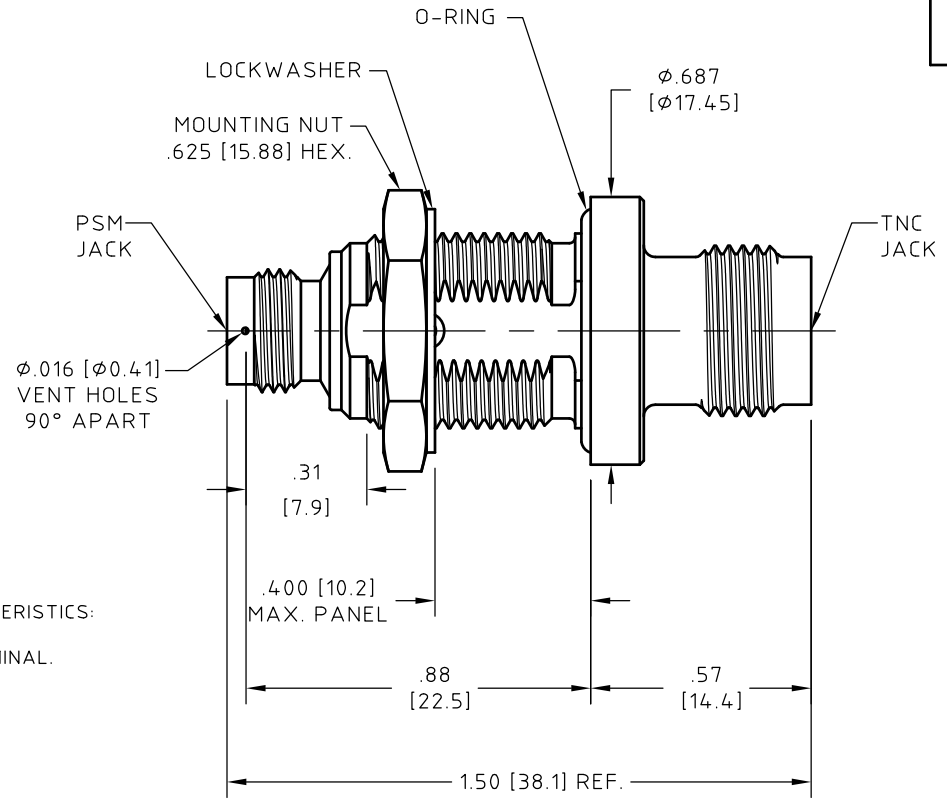
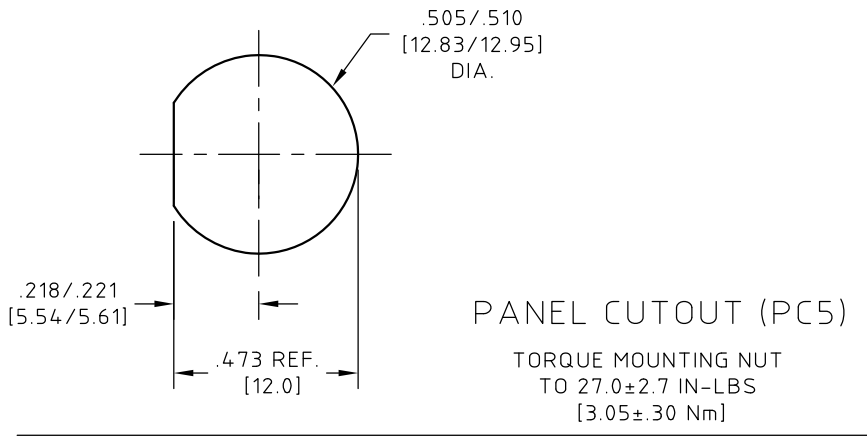


CONTROL DRAWING



NOTES:

1.0 DESCRIPTION, ADAPTOR, HERMETIC, VENTED, BULKHEAD, PSM JACK TO TNC JACK.

2.0 MATERIALS AND FINISHES,
 PSM BODY AND CENTER CONDUCTOR,
 BERYLLIUM COPPER ALLOY PER ASTM B-196,
 UNS No. C17300, TEMPER TD04(H).
 GOLD PLATED 50 μ IN (1.27 μ M) MIN. THK.
 PER ASTM B-488, CODE C, TYPE II, CLASS 1.27
 OVER
 30 μ IN (0.76 μ M) MIN. COPPER FLASH.
 TNC BODY AND MOUNTING NUT,
 STEEL, CORROSION RESISTANT PER ASTM A-582,
 UNS No. S30300, COND. A, NON MAGNETIC.
 PASSIVATED PER SAE-AMS-2700.
 NO DICHROMATE SOLUTIONS USED.
 TNC CENTER CONDUCTOR,
 BERYLLIUM COPPER ALLOY PER ASTM B-196,
 UNS No. C17300, TEMPER TD04(H).
 GOLD PLATED 50 μ IN (1.27 μ M) MIN. THK.
 PER ASTM B-488, CODE C, TYPE II, CLASS 1.27
 OVER
 NICKEL PLATE, 50 μ IN (1.27 μ M) MIN. THK.
 PER SAE-AMS-QQ-N-290, CLASS 1.
 FEEDTHRU PIN,
 NICKEL-IRON ALLOY No. 52, PER ASTM F-30, UNS K95050
 NICKEL PLATED, 100 μ IN MIN. THK. PER SAE-AMS-QQ-N-290,
 OR ASTM B-689 CLASS 1.
 DIELECTRIC,
 POLYTETRAFLUOROETHYLENE (PTFE) PER ASTM D-1710,
 OR ASTM D-4894, TYPE I, GRADE 1, CLASS A AND
 CORNING No. 9013
 LOCKWASHER,
 COPPER ALLOY UNS No. C425xxSERIES PER ASTM B-591 OR
 COPPER ALLOY UNS No. C51xxx SERIES PER ASTM B-103,
 NICKEL PLATED 100 μ IN MIN. THK. (2.54 μ M)
 PER SAE-AMS-C-26074 OR ASTM B-733.
 O-RING,
 SILICONE RUBBER PER GSA CID A-A-59588-2B
 AND SAE-AMS-3304.

NOTES CONTINUED:

3.0 ELECTRICAL CHARACTERISTICS:
 IMPEDANCE
 50.0 Ohms NOMINAL.
 FREQUENCY
 10.0 GHz MAX.
 INSERTION LOSS
 0.60 dB MAX.
 VSWR
 1.35 : 1 MAX.

4.0 TNC INTERFACE MEETS MIL-STD-348.
 4.1 PSM JACK INTERFACE IAW
 HUBER+SUHNER A.G.
 PUBLISHED INFORMATION.

5.0 OPERATING TEMPERATURE RANGE
 -55° C TO +125° C

6.0 HERMETIC SEAL:
 100% OF CONNECTORS ARE TESTED PER H+S ASTROLAB PS11606 AND
 QUALIFIED FOR LEAKAGE RATES LESS THAN 1 X 10E-8 CCM/SEC
 OF HELIUM UNDER PRESSURE DIFFERENTIAL OF 15.00 PSIG,
 IAW ASTM E-498, AND MIL-STD-202 AND MIL-STD-883.

UNLESS OTHERWISE SPECIFIED
 CONCENTRICITY .004 T.I.R.
 CORNERS AND FILLETS .005
 MAX. RADIUS OR CHAMFER.
 SURFACE FINISH 63 RMS
 MICROINCHES OR BETTER.

FRACTIONS	± 1/16
X	± .030
XX	± .015
XXX	± .005
ANGLES	± 1°
DO NOT SCALE DRAWING	

NAME	DATE
PREP. SO	07/28/16
ELEC.	
MECH. GSG	08/03/16
Q.C.	

THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER + SUHNER ASTROLAB.

TITLE ADAPTOR, BULKHEAD, PSM JACK TO TNC JACK				
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.	SCALE 2:1	CODE IDENT. 16301	DWG NO. 34_PSM-TNC-50-1	REV C

REV.	DESCRIPTION	DATE	BY	APPROVED
C	ECN No. 20298	06/12/18	KF	
B	ECN No. 19138	04/05/17	AKP	GSG