

# CONTROL DRAWING

29932-2

E

**NOTES:**

1. DESCRIPTION:  
ADAPTOR, AS12 SOCKET TO 3.5mm JACK.

2. MATERIALS AND FINISHES:  
3.5mm BODY,  
STEEL, CORROSION RESISTANT PER ASTM A-582,  
UNS No. S30300, COND. A, NON MAGNETIC,  
PASSIVATED PER SAE-AMS-2700.  
NO DICHROMATE SOLUTIONS USED.  
AS12 BODY,  
BRASS, FREE CUTTING, PER ASTM B-16 UNS No. C36000  
GOLD PLATED .000050 IN (1.27 μM) MIN. THK.  
PER ASTM B-488, CODE C, TYPE II, CLASS 1.27  
OVER  
NICKEL PLATE, .000050 IN (1.27 μM) MIN. THK.  
PER SAE-AMS-QQ-N-290, TYPE 1.  
CENTER CONDUCTOR AND AS12 OUTER CONDUCTOR,  
BERYLLIUM COPPER ALLOY PER ASTM B-196,  
UNS No. C17300, TEMPER TD04(H),  
GOLD PLATED .000050 IN (1.27 μM) MIN. THK.  
PER ASTM B-488, CODE C, TYPE II, CLASS 1.27  
OVER  
NICKEL PLATE, .000050 IN (1.27 μM) MIN. THK.  
PER SAE-AMS-QQ-N-290, TYPE 1.  
DIELECTRIC,  
POLYTETRAFLUOROETHYLENE (PTFE) PER ASTM D-1710,  
OR ASTM D-4894, TYPE I, GRADE 1.  
AND  
POLYPHENYLENE OXIDE (PPO) BASE RESIN, (G.E. NORYL).

3. ELECTRICAL CHARACTERISTICS:

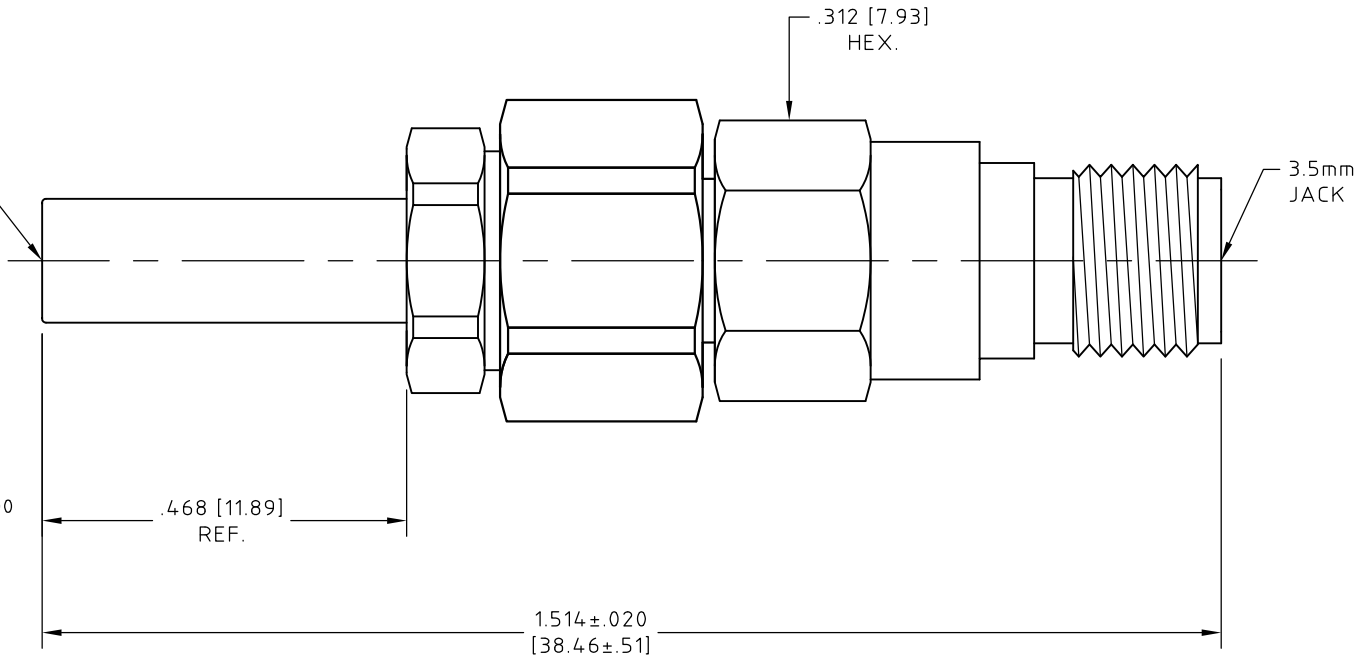
IMPEDANCE  
50.0 Ohms NOMINAL.  
FREQUENCY  
12.4 GHz MAX.  
VSWR  
1.20 : 1 MAX.

4. 3.5 mm INTERFACE IS COMPATIBLE WITH IEEE P287 SPECIFICATION.

5. OPERATING TEMPERATURE RANGE:

-55° C TO +125° C

AS12 SOCKET  
(MODIFIED  
MIL-C-39029/103)



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12.4 GHz MAX.  
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-55° C TO +125° C

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. M. KEATING	05/20/88
ELEC.	
MECH.	
Q.C.	
TITLE	

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

ADAPTOR, AS12 SOCKET TO 3.5mm 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 4:1
CODE IDENT. 16301	DWG NO. 29932-2
REV E	

E	COMPANY LOGO UPDATED	04/08/16	EF	
REV.	DESCRIPTION	DATE	BY	APPROVED