

CONTROL DRAWING

29932-2

E

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

.312 [7.93]
HEX.

3.5mm
JACK

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 μ M) MIN. THK.
PER ASTM B-488, CODE C, TYPE II, CLASS 1.27
OVER
NICKEL PLATE, .000050 IN (1.27 μ M) 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 μ M) MIN. THK.
PER ASTM B-488, CODE C, TYPE II, CLASS 1.27
OVER
NICKEL PLATE, .000050 IN (1.27 μ M) 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.

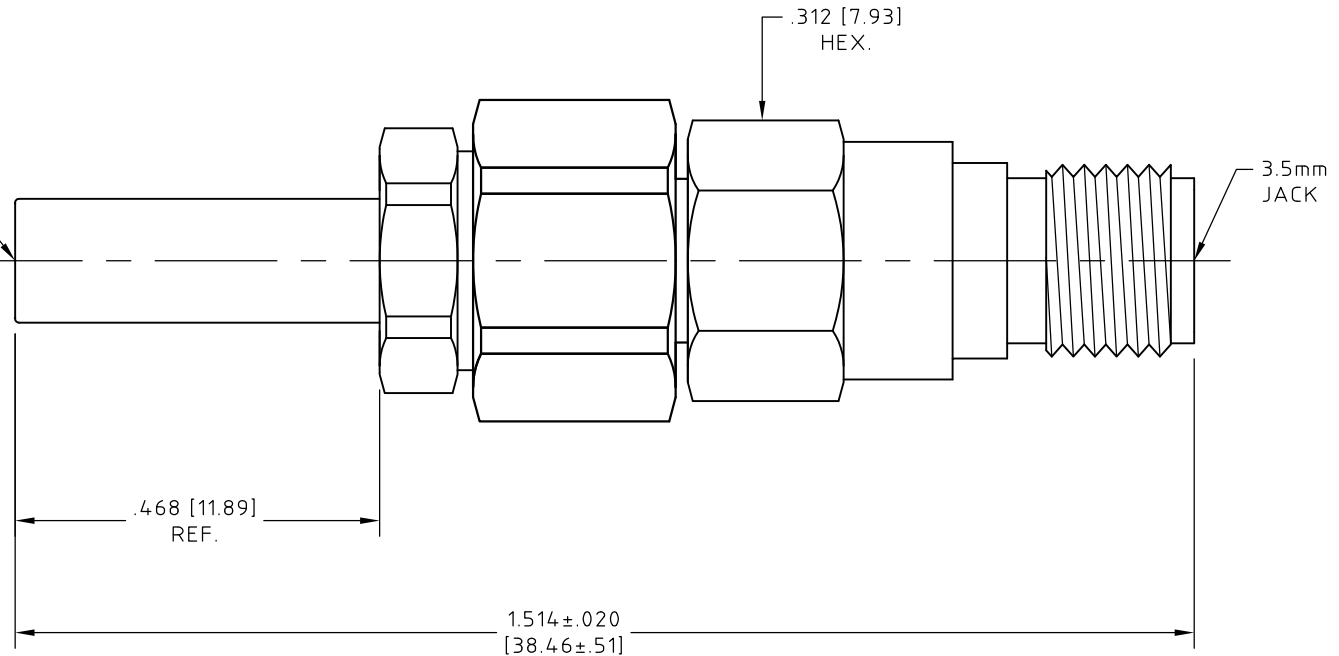
FREQUENCY
12.4 GHz MAX.

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



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	

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PREP.	M. KEATING	05/20/88			
ELEC.					
MECH.					
Q.C.					
TITLE					
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	CODE IDENT.	DWG NO.	REV
		4:1	16301	29932-2	E

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

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