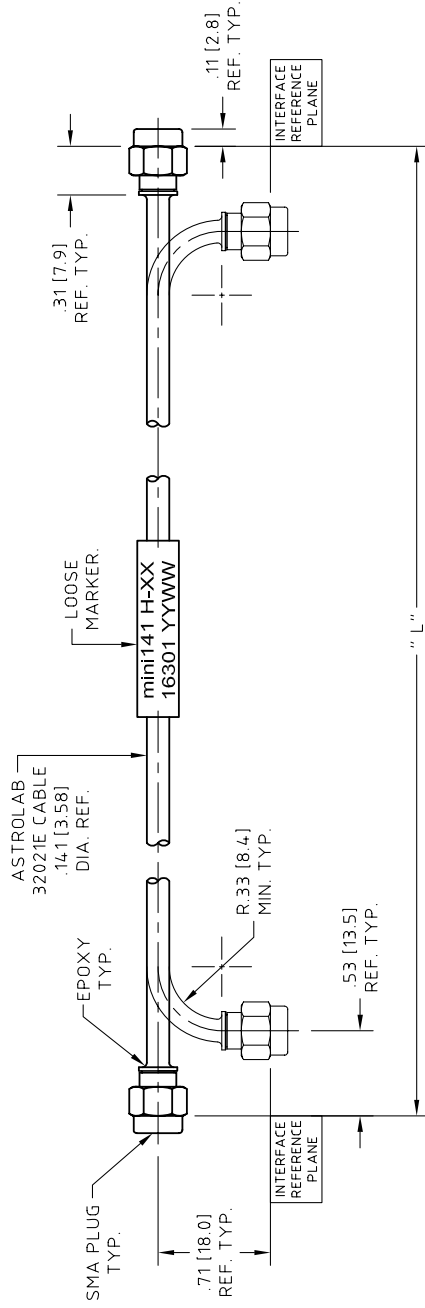


**CONTROL DRAWING**

ALL mini141 H CABLE ASSEMBLIES ARE 99.9% LEAD FREE BY WEIGHT.

mini141 H-XX

C



ASTROLAB PART NUMBER	DIMENSION "L" IN [mm]	2.0 GHz VSWR IL, dB	18.0 GHz VSWR IL, dB	26.5 GHz VSWR IL, dB
mini141 H-5	5.00±.13 [127.0]	1.20:1 0.18	1.35:1 0.50	1.40:1 0.62
mini141 H-5.5	5.50±.13 [139.7]	1.20:1 0.19	1.35:1 0.54	1.40:1 0.66
mini141 H-6	6.00±.13 [152.4]	1.20:1 0.20	1.35:1 0.58	1.40:1 0.71
mini141 H-6.5	6.50±.13 [165.1]	1.20:1 0.20	1.35:1 0.60	1.40:1 0.74
mini141 H-7	7.00±.13 [177.8]	1.20:1 0.21	1.35:1 0.63	1.40:1 0.78
mini141 H-8	8.00±.13 [203.2]	1.20:1 0.23	1.35:1 0.68	1.40:1 0.85
mini141 H-9	9.00±.13 [228.6]	1.20:1 0.25	1.35:1 0.73	1.40:1 0.91
mini141 H-10	10.00±.13 [254.0]	1.20:1 0.27	1.35:1 0.79	1.40:1 0.97
mini141 H-11	11.00±.13 [279.4]	1.20:1 0.28	1.35:1 0.84	1.40:1 1.03
mini141 H-12	12.00±.13 [304.8]	1.20:1 0.30	1.35:1 0.89	1.40:1 1.10
mini141 H-13	13.00±.13 [330.2]	1.20:1 0.31	1.35:1 0.94	1.40:1 1.16
mini141 H-14	14.00±.13 [355.6]	1.20:1 0.33	1.35:1 0.99	1.40:1 1.23
mini141 H-15	15.00±.13 [381.0]	1.20:1 0.35	1.35:1 1.04	1.40:1 1.29
mini141 H-16	16.00±.13 [406.4]	1.20:1 0.37	1.35:1 1.10	1.40:1 1.35
mini141 H-17	17.00±.13 [431.8]	1.20:1 0.38	1.35:1 1.15	1.40:1 1.42
mini141 H-18	18.00±.13 [457.2]	1.20:1 0.40	1.35:1 1.20	1.40:1 1.48
mini141 H-19	19.00±.13 [482.6]	1.20:1 0.42	1.35:1 1.25	1.40:1 1.55
mini141 H-20	20.00±.13 [508.0]	1.20:1 0.43	1.35:1 1.30	1.40:1 1.61
mini141 H-21	21.00±.13 [533.4]	1.20:1 0.45	1.35:1 1.35	1.40:1 1.67
mini141 H-22	22.00±.13 [558.8]	1.20:1 0.47	1.35:1 1.41	1.40:1 1.73
mini141 H-23	23.00±.13 [584.2]	1.20:1 0.49	1.35:1 1.46	1.40:1 1.80
mini141 H-24	24.00±.13 [609.6]	1.20:1 0.50	1.35:1 1.51	1.40:1 1.86
mini141 H-				

NOTES:

- DESCRIPTION: COAXIAL CABLE ASSEMBLY mini141 H, LOW OUTGASSING - HIGHLY ISOLATED. SMA PLUG TO SMA PLUG.
- CABLE: COAXIAL CABLE ASTROLAB P/N 3202IE MEETS OR EXCEEDS MIL-DTL-17 SEE ASTROLAB CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -A- SMA PLUG: ASTROLAB P/N 29094CR-32-21 IAW MIL-STD-348. SEE ASTROLAB CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -B- SMA PLUG: SAME AS CONNECTOR A.

NOTES CONTINUED:

- MARKING: MATERIAL - HEAT SHRINKABLE SLEEVING PER SAE-AMS-DTL-230533. MARKING .060 [1.52] MIN. TALL CHARACTERS IN CONTRASTING COLOR AND IAW MIL-STD-130. DATE CODE PER MIL-STD-1285 MARKING PERMANENCE IAW SAE-AMS-81531.
- ELECTRICAL CHARACTERISTICS: IMPEDANCE: 50.0 Ohms NOMINAL. FREQUENCY, INSERTION LOSS AND VSWR, SEE CHART. RF SHIELDING: GREATER THAN 110 dB WHEN TESTED IAW MIL-PRF-39012 PARAGRAPH 4.6.23.
- MECHANICAL: OPERATING TEMPERATURE RANGE, -55° C TO +125° C.

NAME	DATE
GSG	02/19/10
RF	02/19/10
AW	02/19/10
Q.C.	



WARREN, NJ  
THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF ASTROLAB

TITLE
CABLE ASSY, SMA PLUG TO SMA PLUG, mini141 TYPE.

REV.	DESCRIPTION	DATE	BY	APPROVED	SCALE	CODE IDENT.	DWG NO.	REV
C	"L" WAS "L±.25[6.4]"	04/28/11	GSG		1:1	16301	mini141 H-XX	C