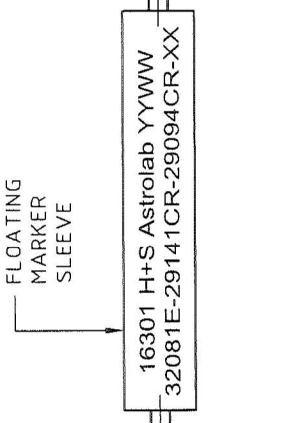
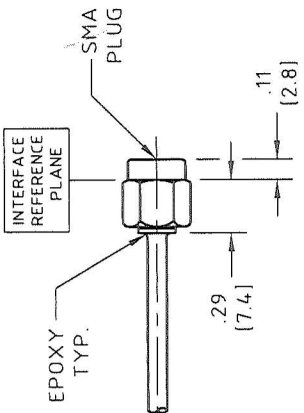
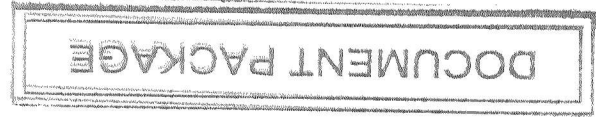


CONTROL DRAWING

32081E-29141CR-29094CR-XX



16301 H+S Astrolab YYWW
32081E-29141CR-29094CR-XX



UPDATE
COSTA RICA
COPY

NOTES:

- DESCRIPTION, CABLE ASSEMBLY, SMA JACK BULKHEAD TO SMA PLUG.
- CABLE, COAXIAL CABLE HUBER+SUHNER Astrolab P/N 32081E MEETS OR EXCEEDS MIL-DTL-17 SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, SMA JACK BULKHEAD: HUBER+SUHNER Astrolab P/N 29141CR-32-81 IAW MIL-STD-348. SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, SMA PLUG: HUBER+SUHNER Astrolab P/N 29094CR-32-81 IAW MIL-STD-348. SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- MARKING: MARKER SLEEVE, FLOATING ONTO CABLE BUT CAPTIVATED FROM FALLING OFF. MATERIAL, HEAT SHRINKABLE SLEEVING PER SAE-AMS-DTL-23053. 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. CABLE ASSEMBLIES 4 INCHES OR SHORTER WILL HAVE NO MARKER SLEEVE.

RoHS 5/6 COMPLIANT



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

CABLE ASSEMBLY

HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L" IN [mm]	2.0 GHz		12.4 GHz		18.0 GHz		24.0 GHz	
		VSWR	IL, dB	VSWR	IL, dB	VSWR	IL, dB	VSWR	IL, dB
32081E-29141CR-29094CR-2	2.00±.13 [50.8±3.3]	1.20:1	0.16	1.25:1	0.32	1.37:1	0.46	1.45:1	0.53
32081E-29141CR-29094CR-2.5	2.50±.13 [63.5±3.3]	1.20:1	0.18	1.25:1	0.36	1.37:1	0.55	1.45:1	0.57
32081E-29141CR-29094CR-3	3.00±.13 [76.2±3.3]	1.20:1	0.19	1.25:1	0.40	1.37:1	0.55	1.45:1	0.64
32081E-29141CR-29094CR-3.5	3.50±.13 [88.9±3.3]	1.20:1	0.21	1.25:1	0.44	1.37:1	0.60	1.45:1	0.70
32081E-29141CR-29094CR-4	4.00±.13 [101.6±3.3]	1.20:1	0.23	1.25:1	0.48	1.37:1	0.65	1.45:1	0.75
32081E-29141CR-29094CR-4.5	4.50±.13 [114.3±3.3]	1.20:1	0.24	1.25:1	0.54	1.37:1	0.70	1.45:1	0.82
32081E-29141CR-29094CR-5	5.00±.13 [127.0±3.3]	1.20:1	0.26	1.25:1	0.57	1.37:1	0.75	1.45:1	0.87
32081E-29141CR-29094CR-5.5	5.50±.13 [139.7±3.3]	1.20:1	0.27	1.25:1	0.62	1.37:1	0.80	1.45:1	0.93
32081E-29141CR-29094CR-6	6.00±.13 [152.4±3.3]	1.20:1	0.29	1.25:1	0.65	1.37:1	0.85	1.45:1	0.99
32081E-29141CR-29094CR-6.5	6.50±.13 [165.1±3.3]	1.20:1	0.30	1.25:1	0.70	1.37:1	0.90	1.45:1	1.04
32081E-29141CR-29094CR-7	7.00±.13 [177.8±3.3]	1.20:1	0.32	1.25:1	0.74	1.37:1	0.95	1.45:1	1.10
32081E-29141CR-29094CR-8	8.00±.13 [203.2±3.3]	1.20:1	0.35	1.25:1	0.82	1.37:1	1.05	1.45:1	1.22
32081E-29141CR-29094CR-9	9.00±.13 [228.6±3.3]	1.20:1	0.38	1.25:1	0.91	1.37:1	1.15	1.45:1	1.35
32081E-29141CR-29094CR-10	10.00±.13 [254.0±3.3]	1.20:1	0.41	1.25:1	0.98	1.37:1	1.24	1.45:1	1.46
32081E-29141CR-29094CR-11	11.00±.13 [279.4±3.3]	1.20:1	0.44	1.25:1	1.07	1.37:1	1.34	1.45:1	1.58
32081E-29141CR-29094CR-12	12.00±.13 [304.8±3.3]	1.20:1	0.47	1.25:1	1.15	1.37:1	1.42	1.45:1	1.68
32081E-29141CR-29094CR-13	13.00±.13 [330.2±3.3]	1.20:1	0.50	1.25:1	1.23	1.37:1	1.53	1.45:1	1.81
32081E-29141CR-29094CR-14	14.00±.13 [355.6±3.3]	1.20:1	0.53	1.25:1	1.30	1.37:1	1.62	1.45:1	1.92
32081E-29141CR-29094CR-15	15.00±.13 [381.0±3.3]	1.20:1	0.57	1.25:1	1.40	1.37:1	1.73	1.45:1	2.04
32081E-29141CR-29094CR-16	16.00±.13 [406.4±3.3]	1.20:1	0.60	1.25:1	1.47	1.37:1	1.82	1.45:1	2.15
32081E-29141CR-29094CR-									

NAME	DATE
PREP. GS	11/14/14
ELEC. RF	11/17/14
MECH. GSG	11/14/14
Q.C.	
TITLE	

UNLESS OTHERWISE SPECIFIED CONCENTRICITY .004 T.I.R. CORNERS AND FILLETS R05 PER MIL-STD-1993 SURFACE FINISH 63 RMS MICROINCHES OR BETTER.

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

REV.	DESCRIPTION	DATE	BY	APPROVED	SCALE	CODE IDENT.	DWG NO.	REV
B	"RoHS" ADDED	06/02/16	EF	[Signature]	1:1	16301	32081E-29141CR-29094CR-XX	B

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