

CONTROL DRAWING

32081E-29141CR-29094CR-XX

FLOATING
MARKER
SLEEVE

INTERFACE
REFERENCE
PLANE

EPOXY
TYP.

SMA
PLUG

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

INTERFACE
REFERENCE
PLANE

SMA
JACK

.55
[14.0]
.08
[1.9]

.125 / .128
[3.18 / 3.25]
PC3
TORQUE MOUNTING NUT
TO 15.0 ± 1.5 IN.-LBS.
[1.69 ± .17 Nm]

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.

6. ELECTRICAL CHARACTERISTICS:

IMPEDANCE,
50.0 Ohms NOMINAL.
FREQUENCY, INSERTION LOSS AND VSWR
SEE CHART.

7. MECHANICAL:

OPERATING TEMPERATURE RANGE,
-55° C TO +125° C.

DOCUMENT PACKAGE

UPDATE
COSTA RICA
COPY

HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L" IN [mm]	2.0 GHz VSWR IL dB	12.4 GHz VSWR IL dB	18.0 GHz VSWR IL dB	24.0 GHz 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 0.50	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-					

RoHS 5/6 COMPLIANT

UNLESS OTHERWISE SPECIFIED
CONCENTRICITY .004 TIR
CORNERS AND FILLETS R.005
MAXIMUM ALLOWABLE DEFECT
SURFACE FINISH 63 RMS
MICROINCHES OR BETTER.

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

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



HUBER+SUHNER

Astrolab

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

CABLE ASSEMBLY

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

HUBER+SUHNER:

32081E-29141CR-29094CR-10