



# Fox Delta

Amateur Radio Projects & Kits

Galileo

## Silk Snap & Kit Parts List: Galileo 20.1MHz Radio Astronomy Receiver

### Galileo Radio Astronomy Receiver:



## Kit Parts List:

### Caps and Resistors

Qty	ID	Details
2	R1, 54	220
5	R2, 8, 16, 19, 51,	100
6	R4, 10, 15, 21, 53, 28,	100K
2	R5, 6	680
10	R11, 12, 13, 14, 23, 26, 22, 27, 37, 52,	10K
1	R17	2.7K
1	R18	33K
4	R20, 56, 57, 9,	2.2K
2	R25, 24,	1M
1	R31	10
10	R33, 34, 35, 36, 38, 55, 45, 46, 47, 48,	1K
4	R41, 32, 44, 50,	470
3	R39, 42, 40	22K
1	R43	47K
1	R49	22
1	R30	47
1	C1,	39PF
	C5, 6, 9, 12, 16, 20, 14, 17, 19, 27, 25, 26, 32, 34, 35, 37, 39, 41, 43, 45, 61, 56, 58, 28, 68, 46, 50, 28, 33, 67,	0.1UF
4	C7, 66, 49, 69,	10PF
4	C10, 11, 18, 57,	1000PF
4	C13, 15, 31, 29,	47PF
7	C22, 21, 36, 30, 40, 59, 55,	10UF
1	C21,	0.047UF
1	C24	0.0047UF
1	C23	330PF
9	C38, 42, 44, 54, 65, 64, 47, 52, 53,	1UF
3	C62, 63, 3	22PF
1	C48	470UF
1	C51	100UF
1	C2	56PF

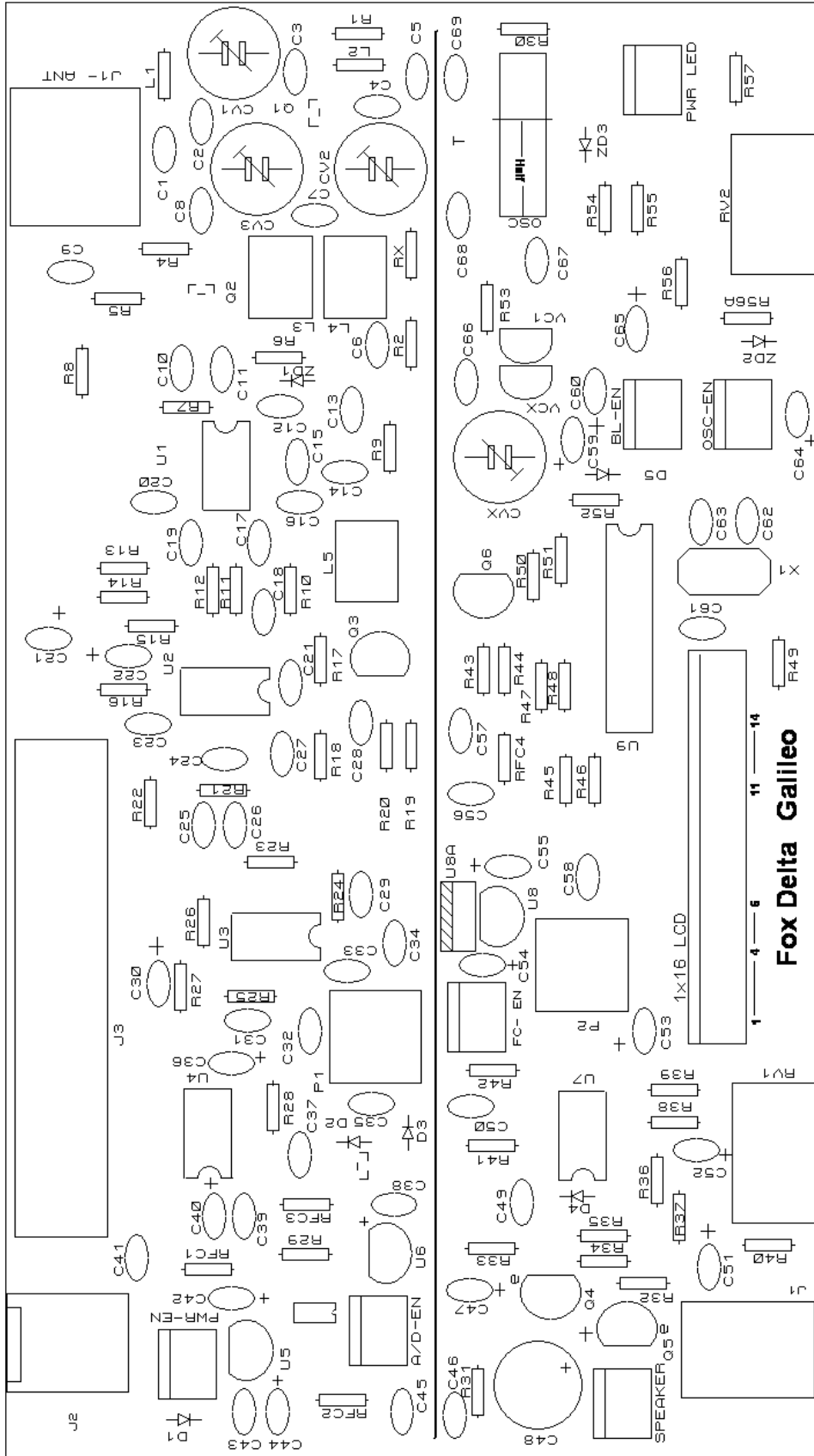
**Other Parts:**

Qty	ID	Details
4	U1, 2, 3, 4, 7	IC Sockets 8 DIP
1	U9	IC Socket 18 DIP
1	RV1, 2	10K POTs with knobs
2	SIL16M	Male LCD Connector
1	Ribbon Cable	16 wire for LCD with female sockets
7	SIL2M	Two PIN headers for various switches
4	Switches	Front Panel Toggle switches: A/D En, FC on/off, OS on/off and BL on/off
1	LCD	1x16 with Backlight
1	OSC*	20MHZ DIP14 FULL SIZE 5V Oscillator
1	J1 Ant	BNC R/A PCB Connector
1	P1	1K
1	P2	10K
3	CV1, 2, 3,	20pf Air Variable
2	Q1, 2	J310 SMT Pre-soldered on board
1	Q3,	2N918
2	Q5,	BC547B
1	Q6	2N3904
1	Q4	BC557B
1	D1	1N4148
2	D2, 3	BAT85
2	D4, 5,	1N4148
1	VC1	MV2109
1	J2	DC Connector
1	J3	D25M R/A PCB
1	J1	3.5mm Stereo Connector
3	RFC1, 2, 4	10uh
2	RFC3, R7,	33uh
1	U1	SA612/602
2	U2, 3,	TL082
0	U4**	MX187
1	U5	78L06
1	U6	7805
1	U7	LM301A
1	U8	7805
1	U9	PIC16F84A with Firmware FC2.hex
1	X1	4MHZ HC49U
1	ZD3	Zener 5V
1	L1	RFC 0.47uh
1	L2	RFC 1uh
1	L4	RFC 3.9uh
2	L3, L5	1.5uh Neosid

\*Option

\*\* Not part of kit

SILK:



Dinesh Gajjar / 08<sup>th</sup> Aug 2010

Please visit <http://www.foxdelta.com> for more information on this project.