



Schematic & Parts List: PIC16F688 Satellite Tracker & Rotor Controller

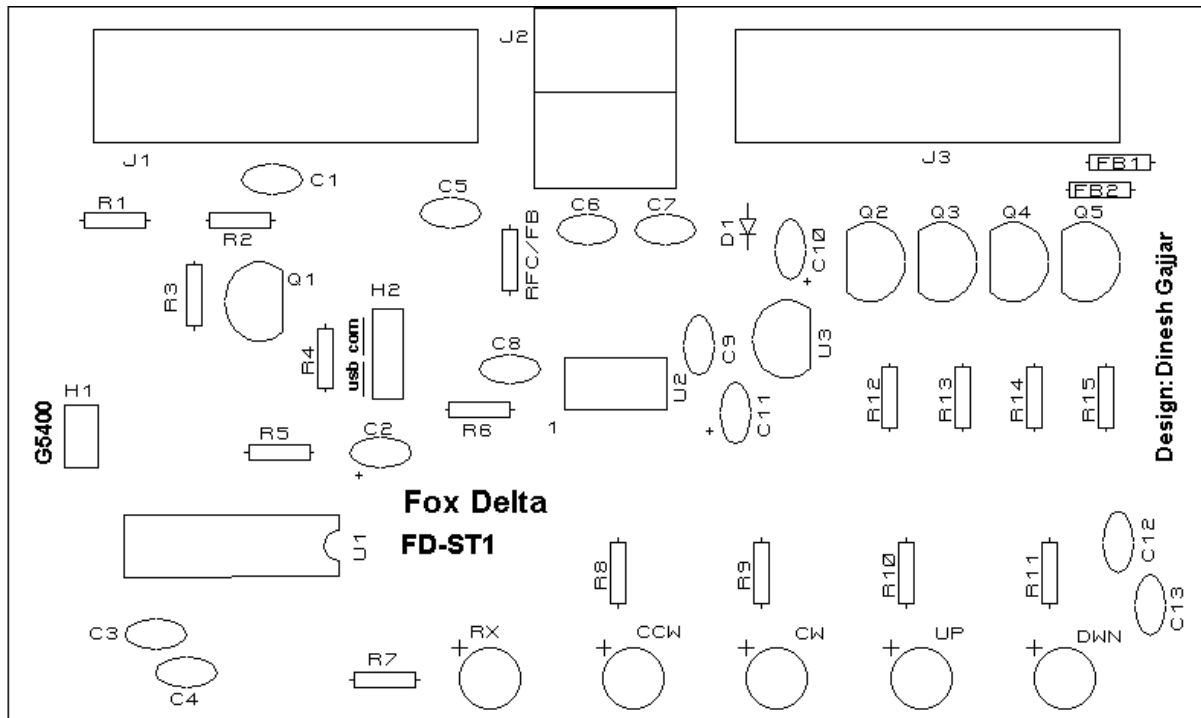
ST1 Kit Parts List:

R1, 2, 3, 5, 12,13,14,15	4.7k	1	PIC16F688 with Firmware: FD-SAT1.hex
R4	1k	5	BC547B Transistors (Q1 to Q5)
R7-11	330	1	1N4148 Diode (D1)
R6	10k	1	14pin IC Socket
C1, 3, 4	1000pf ceramic	1*	USB B Type PCB Connector
C6, 7, 12, 13	470pf	5	3mm LEDs
C5*, 8*, 9*	0.1uf ceramic	1	78L05 (U3)
Q1-5	BC547B	1*	FTDI- FT232RL 28 SOIC (U2)
C10	1uf Tan	1	D9-F-RA
C11, 2	10uf Electro	1	D9-M-RA
RFC/FB*	10uh RFC	2	Headers: 2pin x 1, 3pin x 1
2	Shorting Pins	1	DIN8 Male (Plug) for Yaesu Rotor Interface

*= Parts for USB version only.

FB1/FB2=Not supplied with kit. (A Jumper may be installed at FB1 & 2 or install Ferrite beads if required to suppress noise)

Silk Snap of Satellite Tracker & Rotor Controller Board:



73s/Dinesh Gajjar / 15th Oct 07

For more details, please visit Project Page: <http://www.foxdelta.com>