



# Fox Delta

Amateur Radio Projects & Kits

FD- ST1

## Schematic & Parts List: PIC16F688 Satellite Tracker & Rotor Controller

### ST1 Kit Parts List: Revision 0808

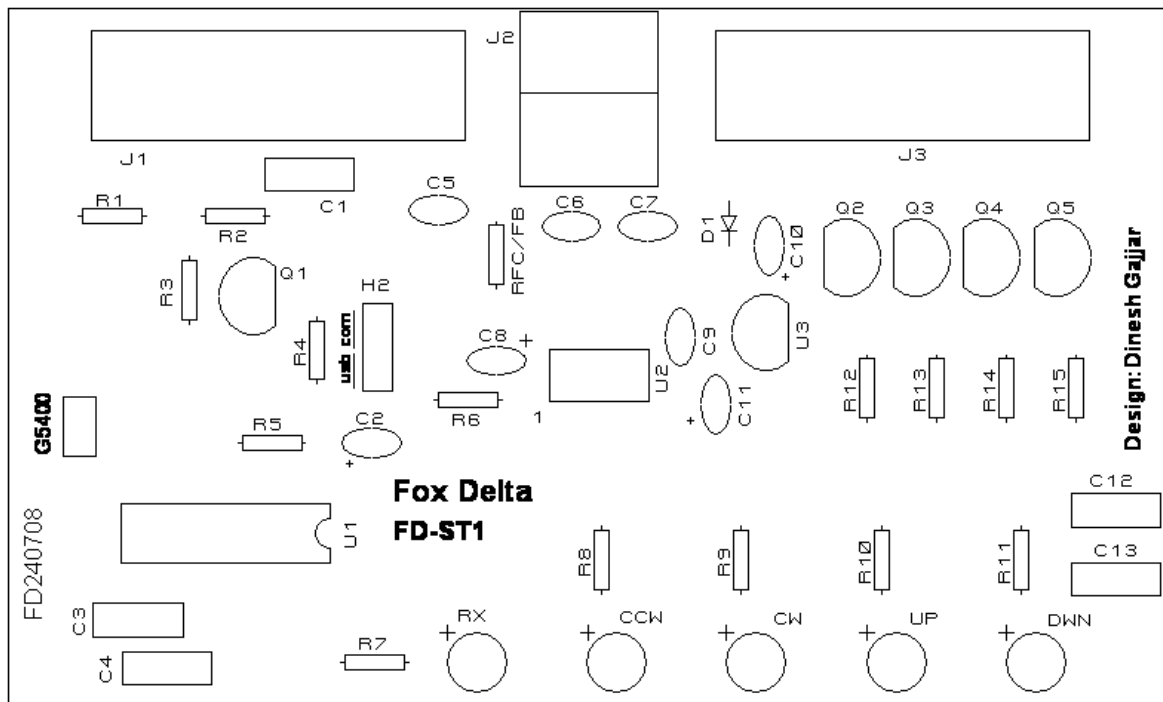
#### USB & RS232 Full Kits

8	R1, 2, 3, 5, 12,13,14,15	4.7k
1	R4	1k
5	R7-11	330
1	R6	10k
5	C1, 3, 4, 12, 13	1000pf Poly
2	C6, 7,	470pf Cer.
1	C5	0.1uf Cer.
2	C11, 2	10uf Tan
1	C10	1uf Tan
1	RFC	10uh RFC

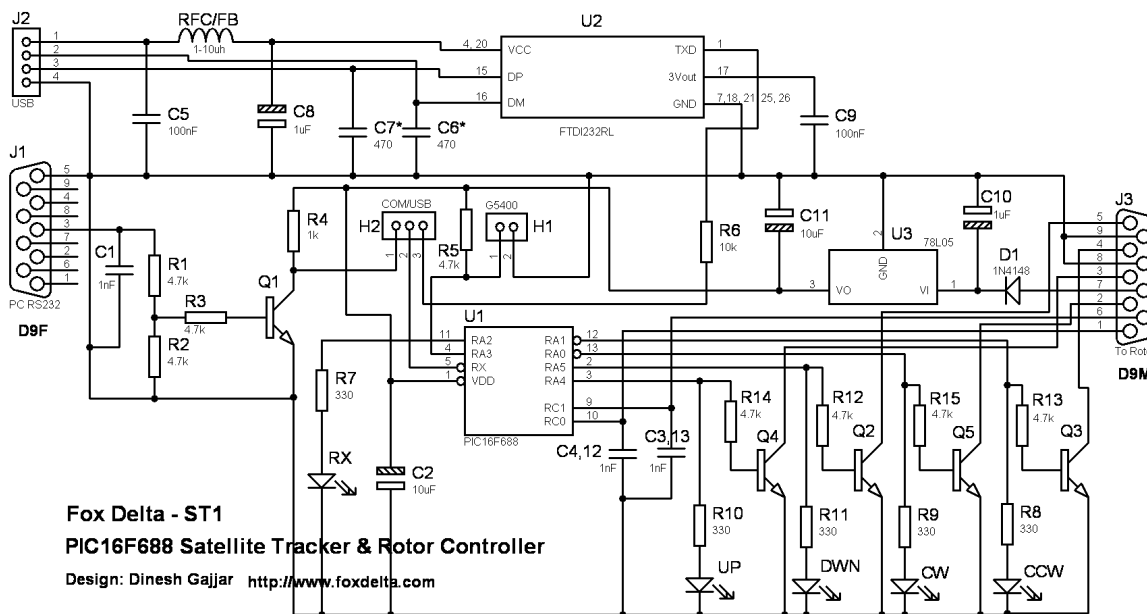
1	PIC16F688 with Firmware: U1
5	BC547B Transistors (Q1 to Q5)
1	1N4148 Diode (D1)
1	14pin IC Socket for U1
1	USB B Type PCB Connector (J2)
5	3mm LEDs
1	78L05 (U3)
1**	FTDI- FT232RL 28 SOIC (U2)
1	D9-F-RA (J1)
1	D9-M-RA (J3)
2+2	3 & 2 Pin Headers + Shorting Pins
1	DIN8 Male (Plug) For Rotor Controller Connection
1	D9F For Rotor Control Cable

\*\*FTDI-232RL is supplied pre-soldered on PCB

## Silk Snap of Satellite Tracker & Rotor Controller Board:



## ST1 Schematic:



Dinesh Gajjar / 16<sup>th</sup> Feb 2010

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