



# Fox Delta

Amateur Radio Projects & Kits

FD- FC 2A

## Packing List: 40/400MHZ (1.1GHZ) LCD PIC16F84A Frequency Counter

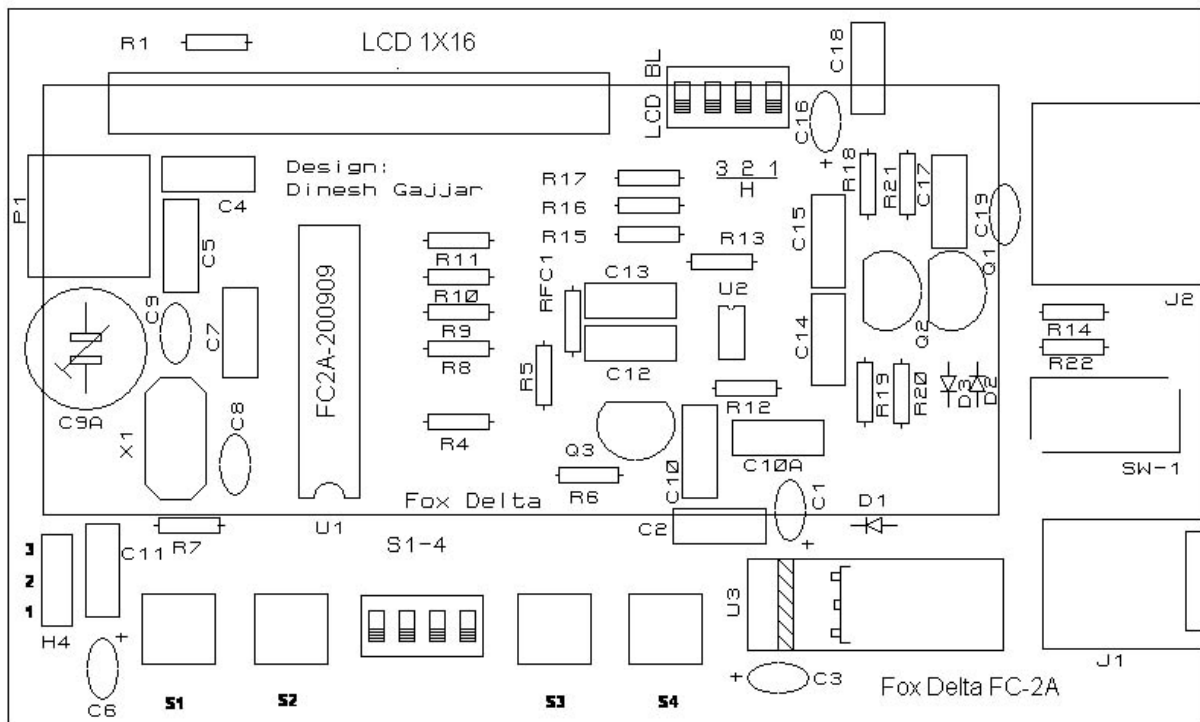
### FC2A: 40/400MHZ Frequency Counter Parts List:

Quantity	Part ID / Details
1	PIC16F84A with FW U1
1**	MC12080 Pre-scale IC 8 SOIC
1	FC2A Double Sided PTH PCB
1	2N3904 TO92 (Q3 on Silk)
2	J309 TO92 (Q2 & 1 on silk)
2	1N4148 (D2, 3)
1	7805 (U3)
2	1N4007 D1
1	20pf Air Trimmer C9A
1	BNC connector for RF IN: J2
1	16X1 LCD Display with BL
1	3Pin Header + shorting pin
2	4Position DIP Switches
1	Push Switch SW-1
4	Push Buttons S1-4
1	4.000MHZ Crystal
2	4 Position DIP Switch SW1-4, LCD-BL
1	10K preset (LCD Contrast): P1
1	DC Connector PCB (J1)

1K	5	1uf Tan (C1,3, 6,16)	4
47k	1	0.1uf Poly	8
3.3k	1	0.01uf Poly (C12)	1
820 ohms	1	22-27pf (C8,9)	2
100 ohms	1	47pf	1
220 ohms	3	1000pf (C10, 10A,14,15) Poly	3
100k	1		
47 ohms	1		
470 ohms	2		
22 ohms	1		
RFC 10uH	1		
10k**	3		

**\*\* Only Included on 400MHZ Kits**  
**Note: MC12080 is pre-soldered on all PCBs, Kit or Assembled.**

### Silk Snap FC2A: 40/400MHZ Frequency Counter: (Revised on 290909)



Error on Board Silk: Q3 on board is Q1=2N3904 and Q1 on board silk is J310  
**Ux & CX no more on this board.**

# Schematic of FC2A:

