



Fox Delta

Amateur Radio Projects & Kits

FD- FoxEcho-K7

Schematic & Parts List: Advanced PIC 16F84A Echo Link Interface

Fox Echo Parts List:

Quantity	Part Details /ID
1	DB9F RS232 Connector R/A
1	DIN5 PCB Connector
2	Phono Connectors for SC
1	DC 12V Connector
1	MAX232 or Equiv.
1	Crystal 3.57MHZ
1	MT8870
1	PIC16F84A
1	7805 +5V Regulator
1	74HC04
4	BC547B
1	2N3904 (Q5)
1	HFE4053 PDIP
3	1N4148
4	LED 3mm
2	Bourns Preset 100K
1	Bourns Preset 10K
3	Headers with shorting pins
1	
2	16 DIP Socket
2	14 DIP Socket
1	18 DIP Socket

Resistors	
R1	3.3k
R2, 7, 14, 16, 20	1k
R3, 4, 5, 8, 11, 12, 13, 18, 21	10k
R6, 19	100k
R9	1M
R10, 15	2.2k
R17	270
Capacitors	
C1, 2, 6	100nf Poly
C9, 11, 12, 13, 14, 15, 16, 17, 18	1uf Tan.
C4	1nf Poly
C5	10nf Poly
C17 (5mm) Optional, used only if required	100nf Poly/Cer.
C8	10uf Tan
No-name at U5	100nf Ceramic

