



# Fox Delta

Hobby Projects by Nina Gajjar

Metal Detector

Schematic and Parts List for: FET Metal Detector with IC Audio amplifier

## Parts List:

L1	Loop Antenna (Details on Detector Doc)
L2, L3	1mh RFC
L4	100uh RFC
D1	LED 3mm
U1	78L05 5V Regulator
U2	LM386 Audio IC 8DIP
LS1	8 ohms Speaker
Q1,2	MPF102 FET / J310
Q3	BF998 Dual gate MOSFET
J1-J2	Male/Female Loop Antenna Connectors
VC1	365pf Variable capacitor
RV2	10K POT
C1, C16	22nf
C2, C17	2.2nf
C3, C4, C6	10uf Tantalum
C5, 8	470uf Electro
C7, 9, 10, 13, 14, 15	0.1uf Ceramic
C11, 12	1000pf
R1, 9, 10	100
R2, 11	1M
R3	1K
R4	10 ohms
R5, 7,	100K
R8	560 ohms
R6	2.7k
Socket	8DIP for LM386
Switch	Power on/off
Battery	9V with terminal clip

Schematic of the Metal Detector on the next page ...

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