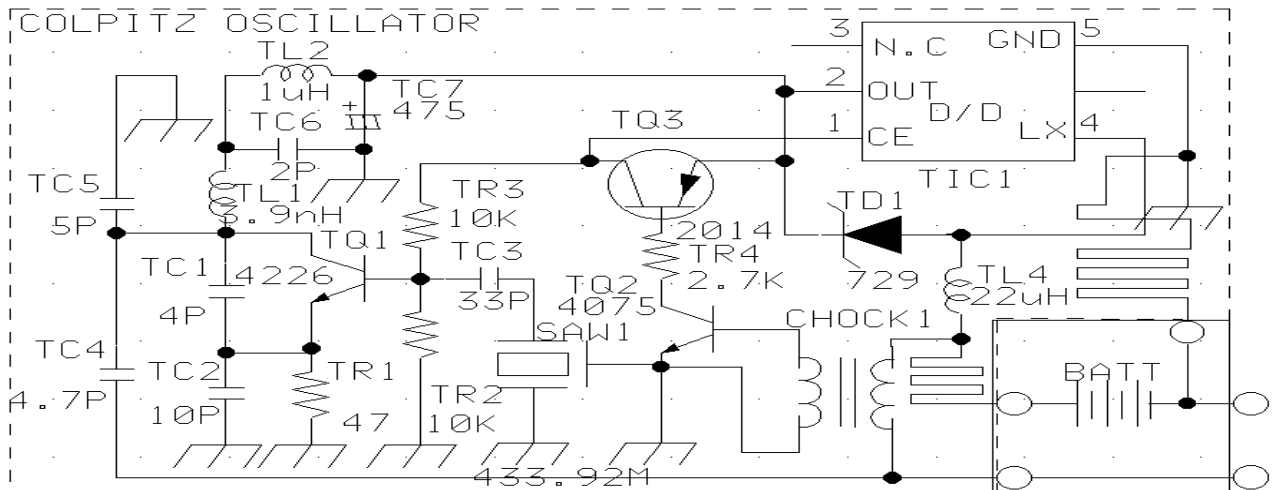
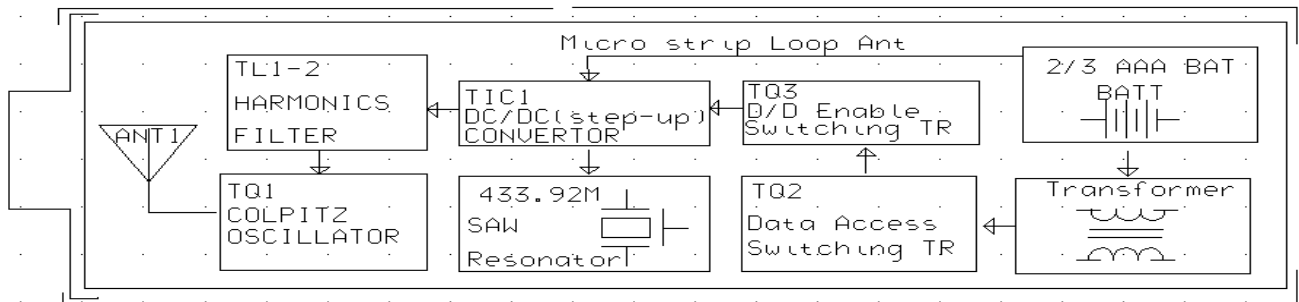


- RF REMOTE BATTERY POCKET SCHEMATIC DIAGRAM -



SAW OSCILLATOR FOR REMOTE BATTERY POCKET 433.92MHZ

UHF SCHEMATIC DIAGRAM



ASK SAW resonator Transmitter BLOCK DIAGRAM CIRCUIT INFORMATION

Operational Description

Battery : Ni-MH(Nickel-Metal Hydride "2/3AAA" Battery, Rechargeable, Charge current(standard charging circuit)

Chock1 : Line sensing Transformer (Data Access) coil, Axial inductor + Air Inductor(Filter)

TIC1 : DC-DC(inverter switching Booster)

$V_{in} = 1.2V$ (2/3AAA Bat), Start-up Voltage(0.85V at 1mA), Battery Discharge rate : 85%%(0.9V/cell)

TQ1 : colpitz oscillator transistor(SAW resonator base oscillator)

TQ3 : CE pin enables circuit switching TR to set the standby supply current at a maximum of 5uA(Off)

TQ2 : Data code sensing switching transistor

TD1 : Switching Low voltage ($V_f=0.2V$) High current high speed Diode.

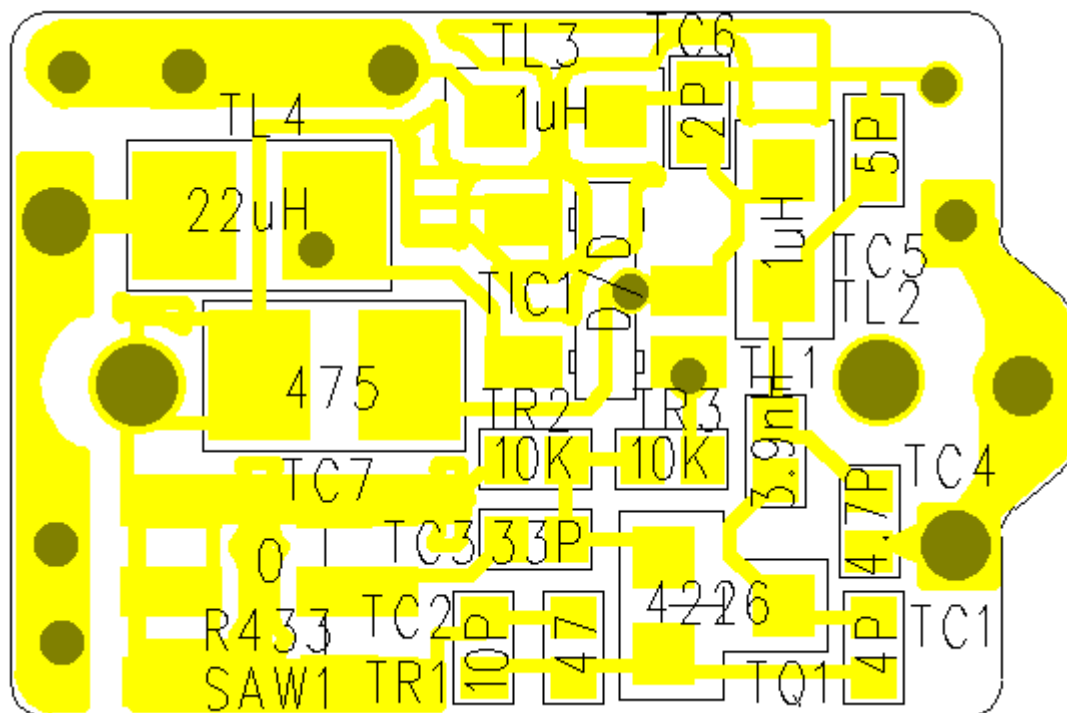
TC3 : Decoupling cap(A/C pass)

SAW1 : SAW resonator($f_o : 433.92MHz$)

TL1-2 : Harmonics B.P.F filter

TC4-5 : Micro strip Loop antenna

PWB Component side



PWB Bottom side

