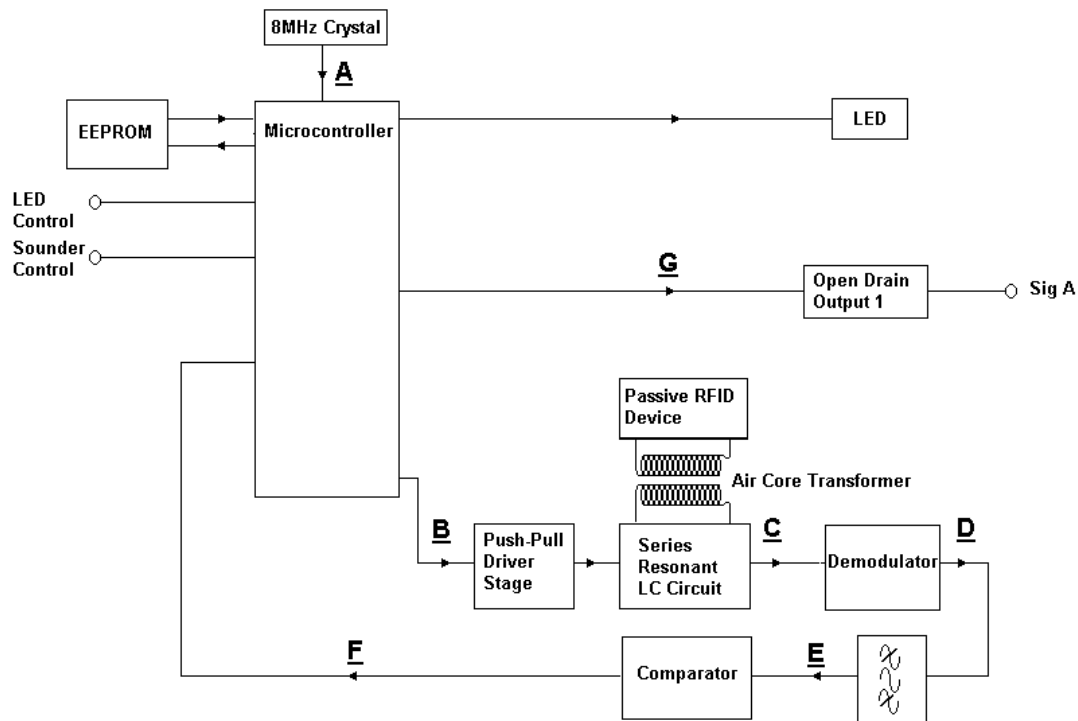# 3. Block Diagram

A = 8.000 MHz local oscillator
B = 125 KHz output from microcontroller's PWM
C = 125 KHz signal with inductively coupled RFID code
D = Raw demodulated RFID signal
E = Filtered data at 3.9 KBaud
F = Digital data at 3.9 KBaud
G = Data output at 4800 Baud

Power and Ground
Common 0v to all modules
Input Vcc of 15V, linearly regulated to 5v for microcontroller, logic, driver and analog stages.