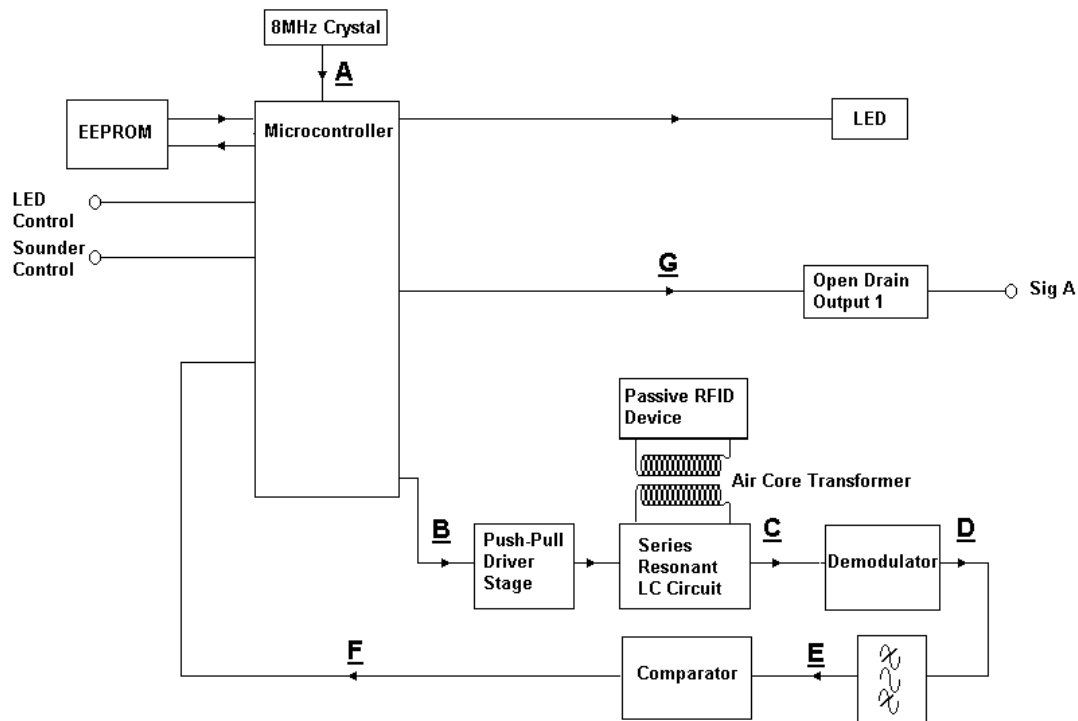


3. Block Diagram



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.