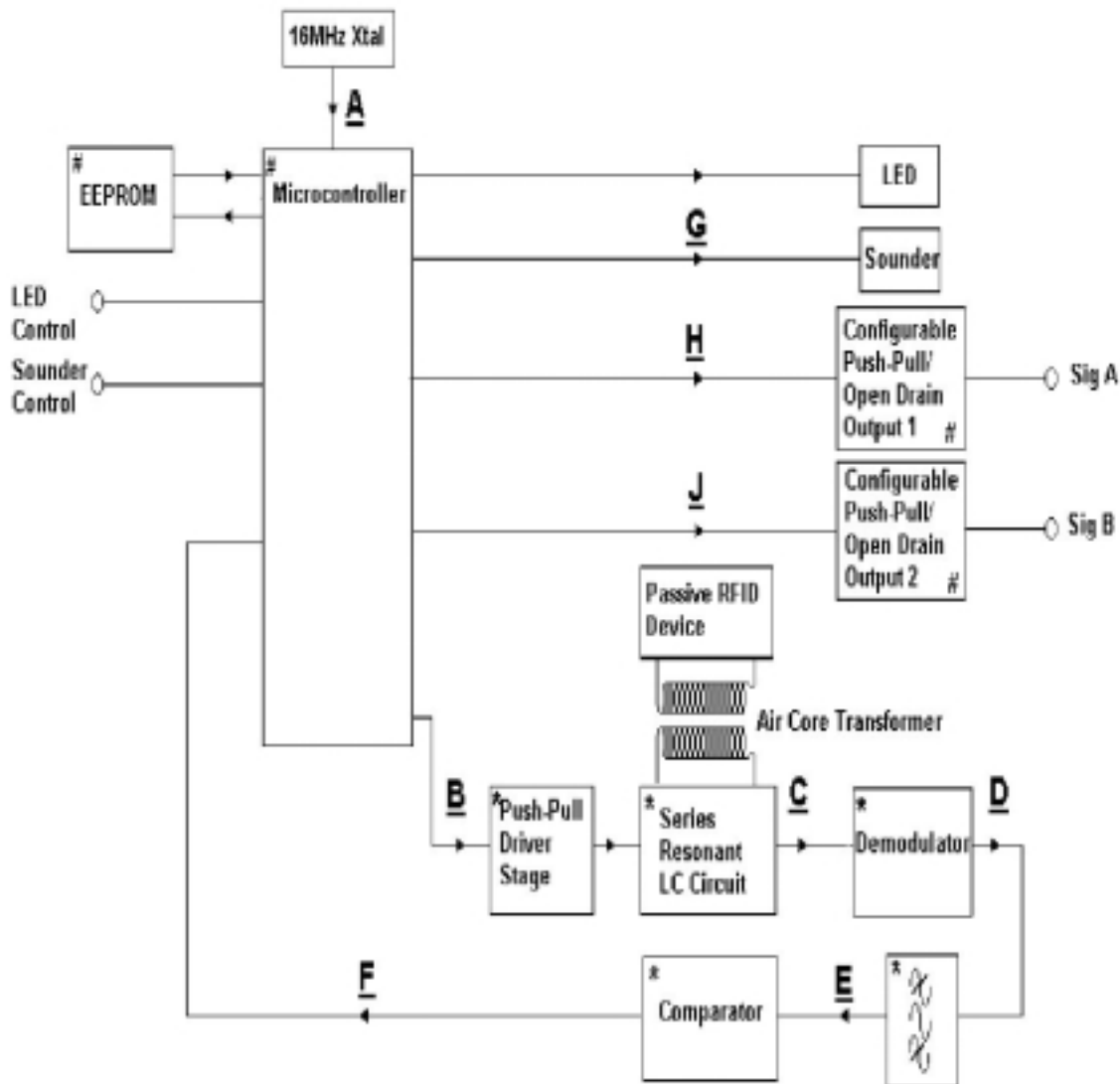


### 3. Block Diagram



- A** = 16.000 MHz local oscillator
- B** = 133.3 KHz output from microcontroller's PWM
- C** = 133.3 KHz signal with inductively coupled RFID code
- D** = Raw demodulated RFID signal
- E** = Filtered data at 2078-4167 Baud
- F** = Digital data at 2078-4167 Baud
- G** = Primary data output at 4800 Baud
- H** = Optional data output at 4800 Baud

### **Power and Ground**

Common 0v to all modules

Input Vcc of 18V, linearly regulated to:

- \* 10v for series LC driver and analogue,
- # 5v for microcontroller and logic

10v to push-pull driver stage is RC filtered to reduce conducted disturbance