



Seminar on

INDUSTRIAL FAULT INDICATION SYSTEM with SMS ALERT

Presented by
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ABSTRACT

- INDUSTRIAL FAULTS IDENTIFICATION
- ALERT BROADCAST AND MANAGEMENT
- REMOTE MANAGEMENT OF SAFETY MODULE

REQUIREMENTS

SOFTWARE

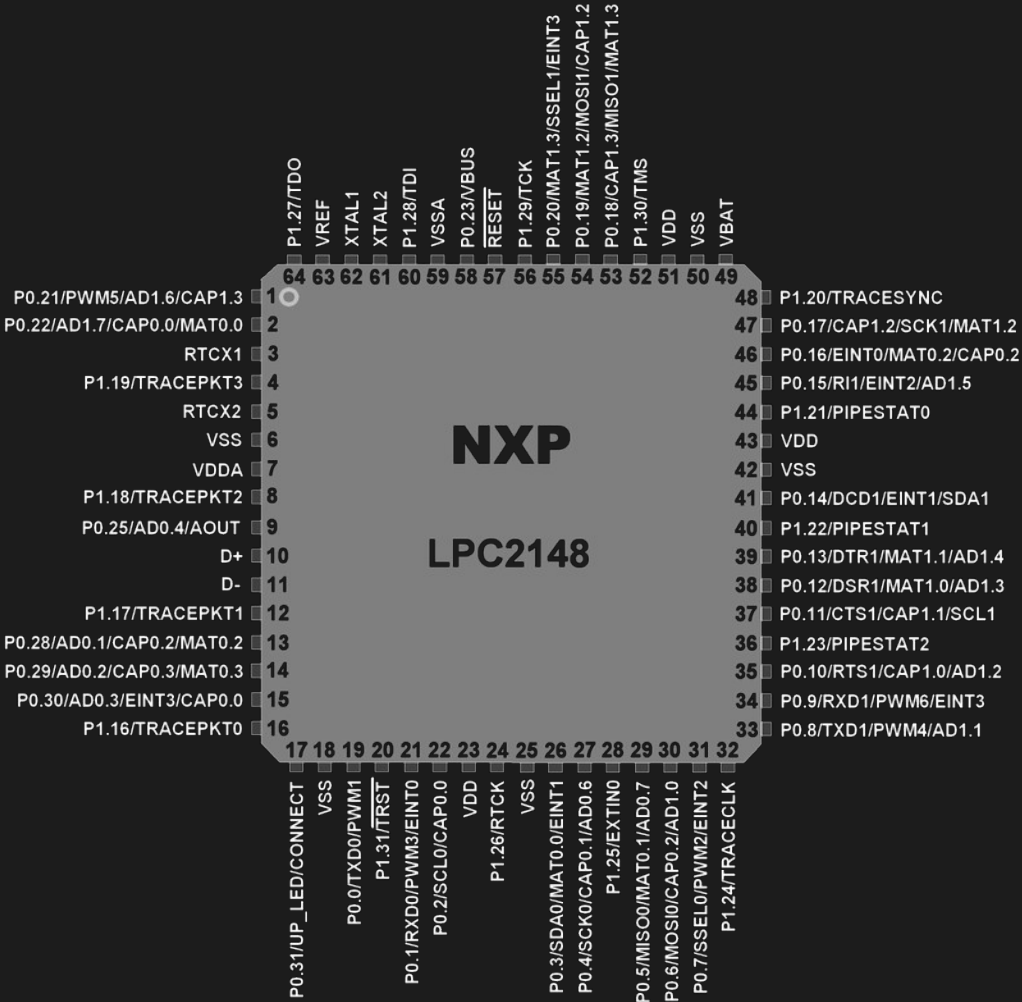
- KEIL C COMPILER
- FLASH MAGIC
- μ VISION 4

HARDWARE

- MCU : LPC2148
- MEMORY : AT24C256
- INPUT : KEYPAD, SWITCH
- OUTPUT : LCD, LED
- GSM : M550A

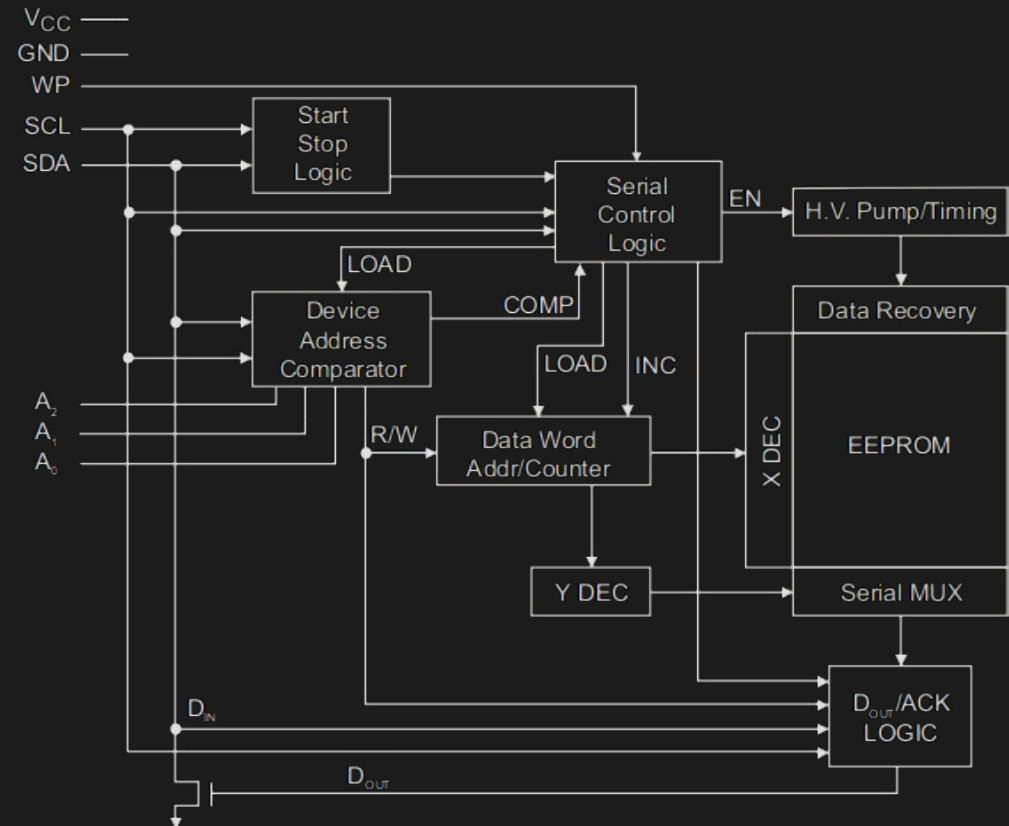
MCU

LPC2148



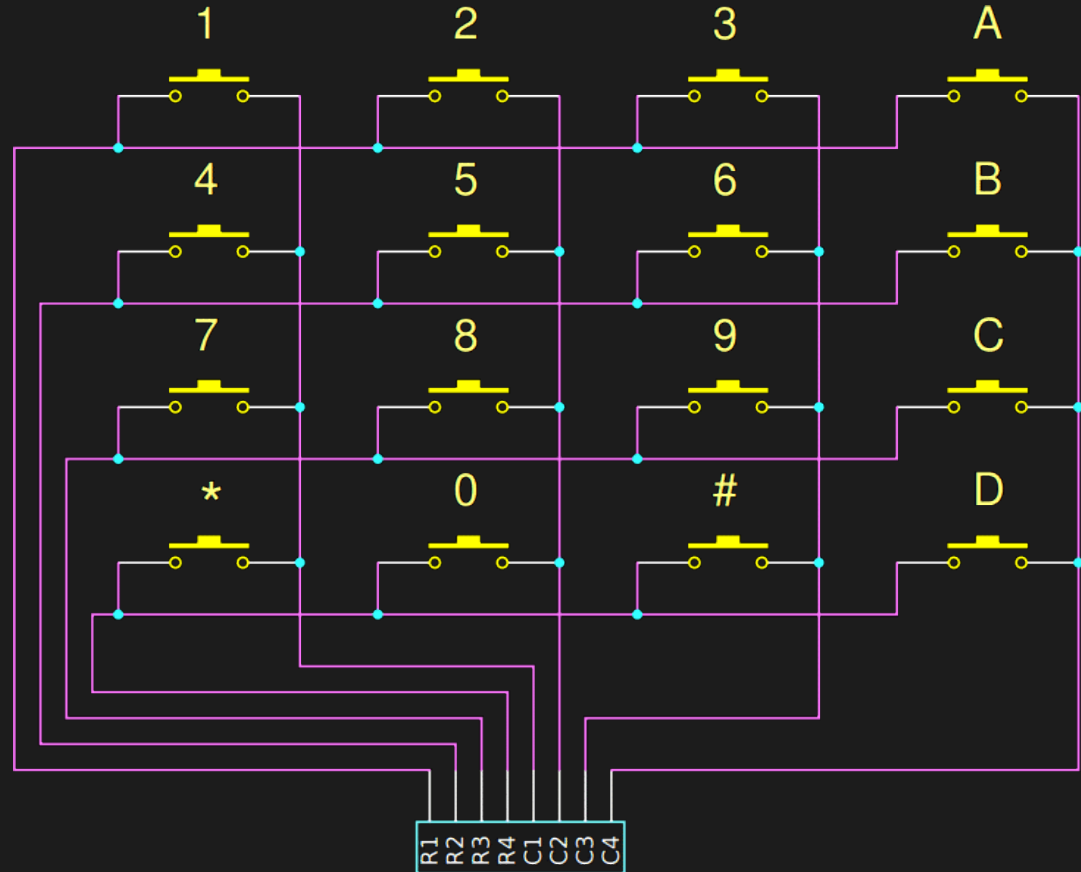
MEMORY

AT24C256



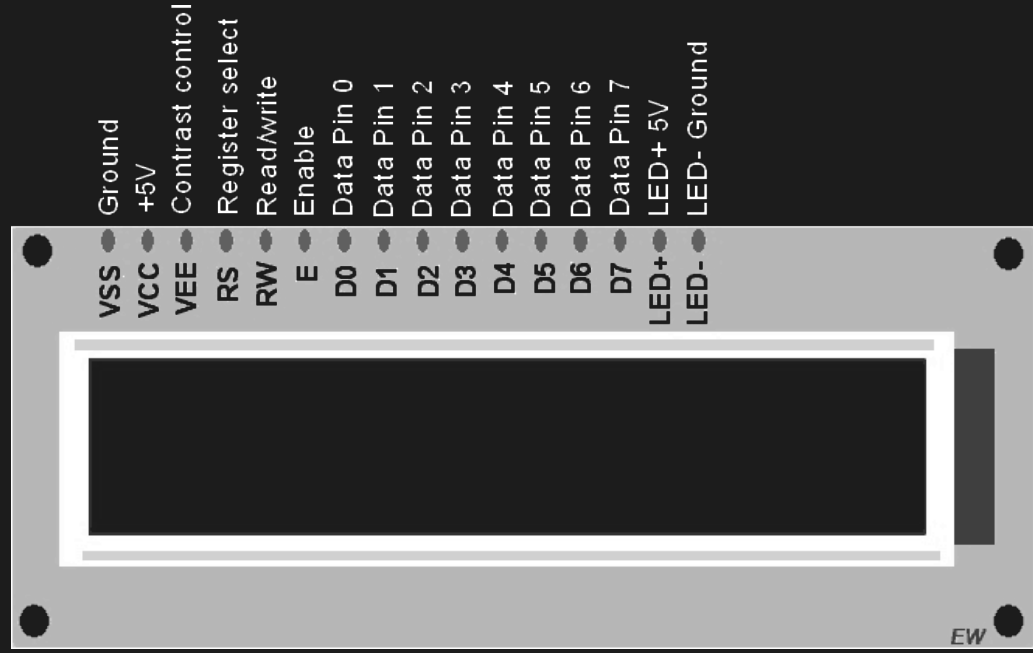
INPUT

- KEYPAD
- SWITCH



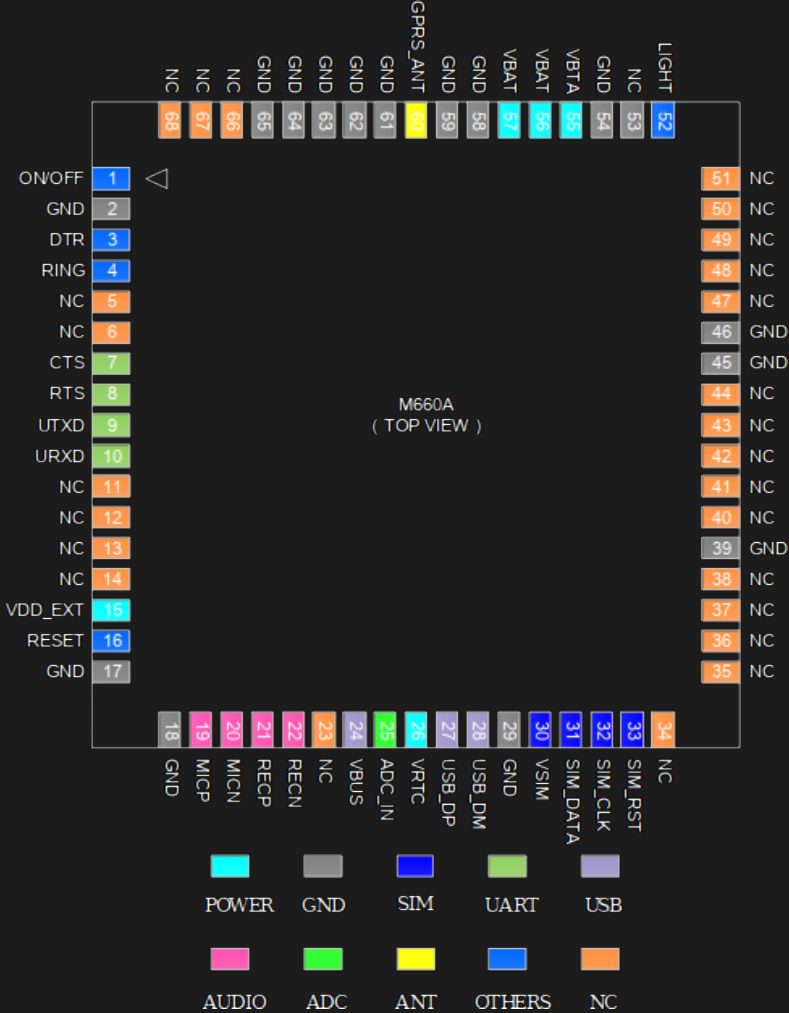
INPUT

- LCD
- LED



GSM

M550A



PROJECT IMPLEMENTATION

BLUEPRINT

- FAULT IDENTIFICATION (SENSOR)
- BROADCAST OF ALERT (SMS, PAS)
- SAFETY THRESHOLD MAINTAINANCE (GSM, ON-DEVICE)

FAULT IDENTIFICATION

- THRESHOLD LOADING
- CONSTANT MONITORING
- FAULT HANDLING

ALERT

- BROADCAST OF SMS
- LOCAL PHYSICAL ALERT INITIATION
- POST MITIGATION ALERT HANDLING

MAINTAINANCE

- ON-DEVICE
- REMOTE SMS
- SECURITY