

# MCU Data Logger Board

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# 01

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## List of componetns



# MCU Data Logger

**It is a MCU Datalogger board based on atmega328p-Au microcontroller , the board will contain the following components**

- atmega328p-Au MC
- Two EEPROM chip (24LC1025)
- RTC(Real time clock ) chip DS1337S\_
- Two indicator leds for power source and SPI CLK signal
- connectors for interfacing with UART,SPI,I2C modules in the microcontroller



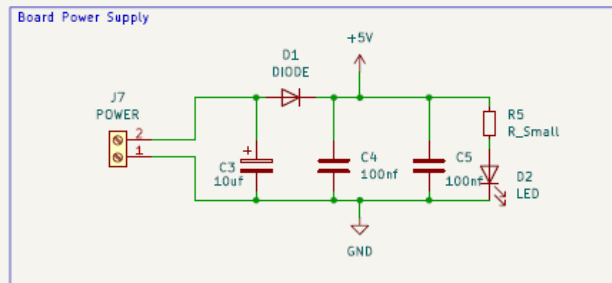
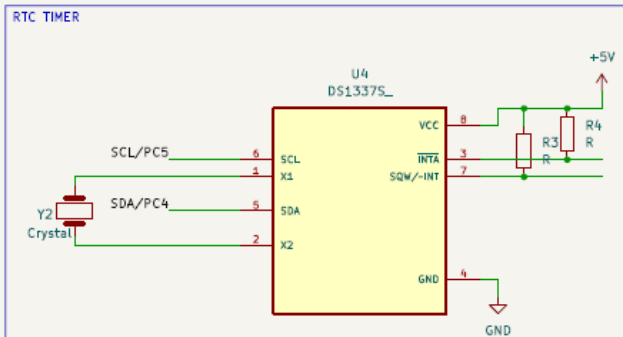
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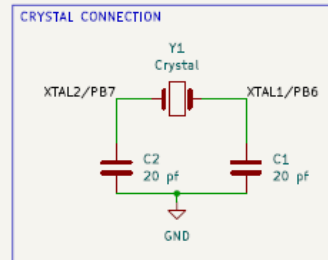
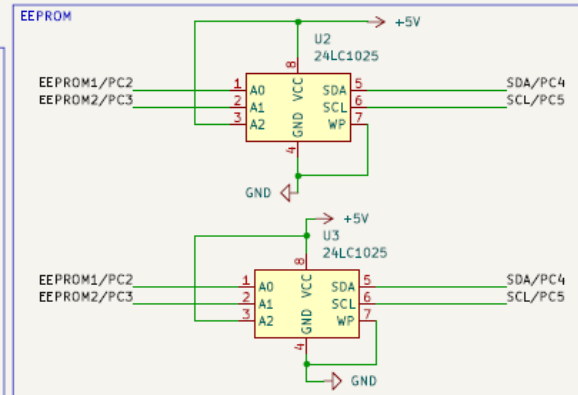
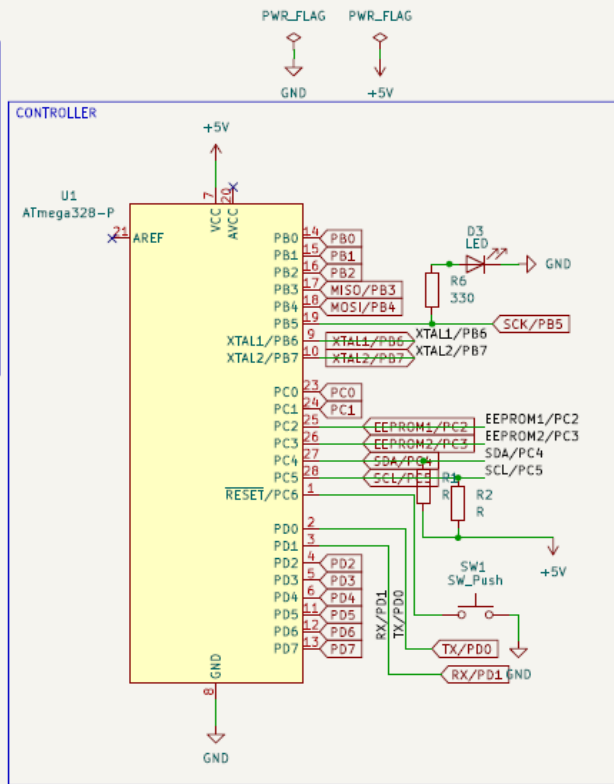
SCHEMATIC



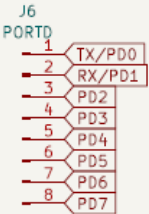
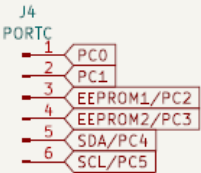
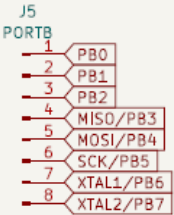
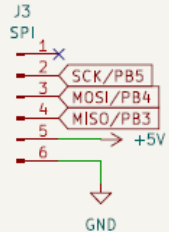
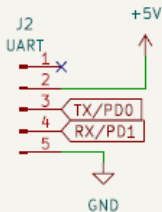
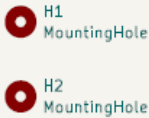
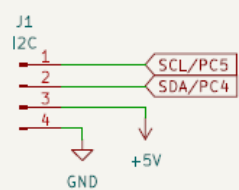
# SHEET 1



## Connectors

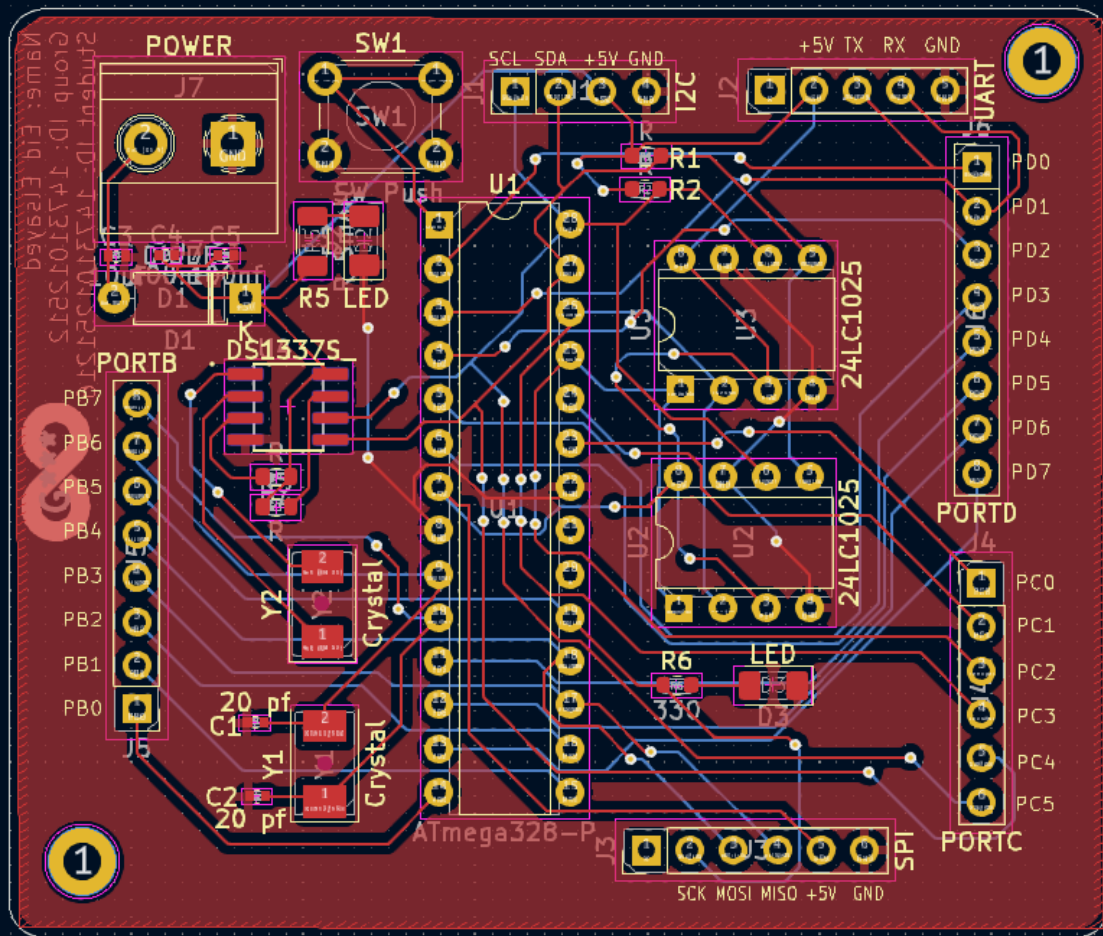


CONNECTORS



# 03

## PCB LAYOUT

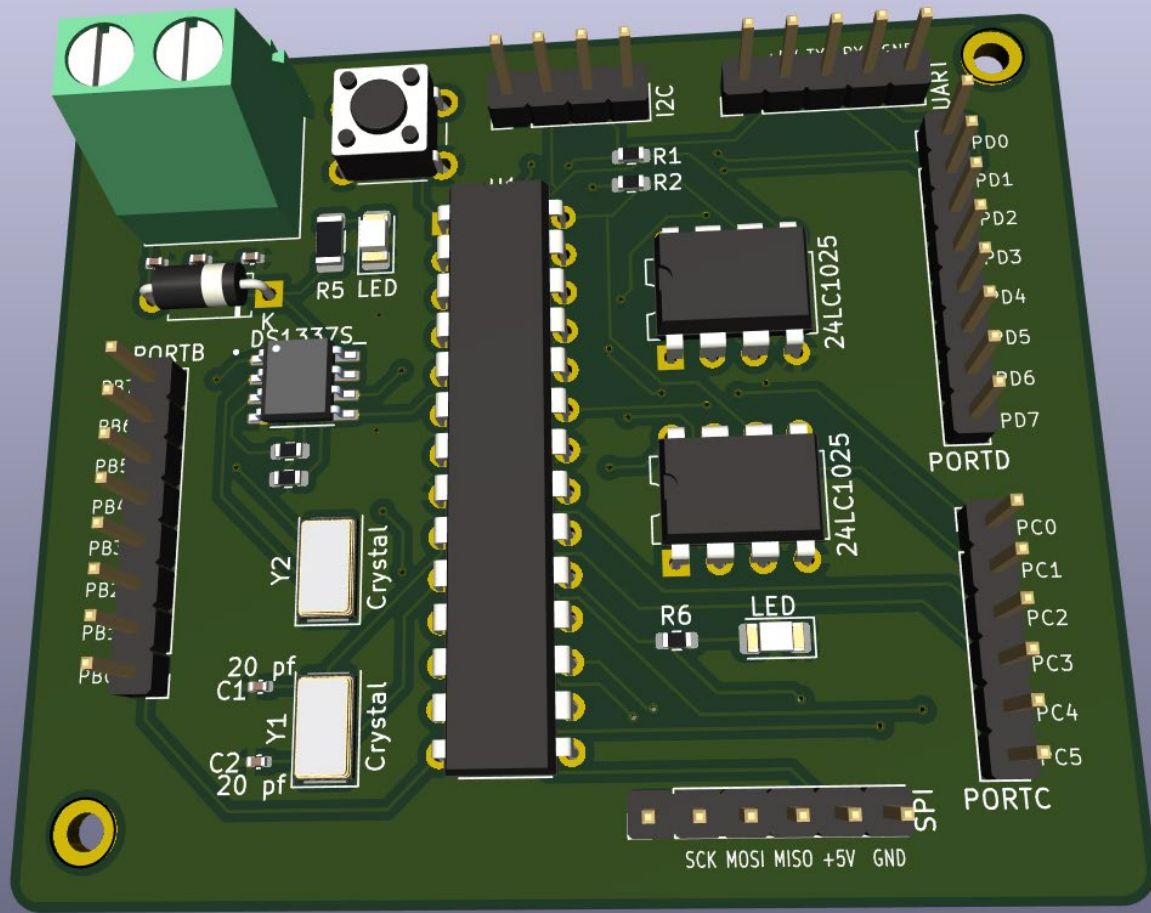




The background features abstract geometric patterns in the corners, consisting of thin blue lines, dots, and concentric circles. A horizontal line with dots at its ends is positioned above the text '3D LAYOUT'.

# 04

## 3D LAYOUT



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