PWM Drawer
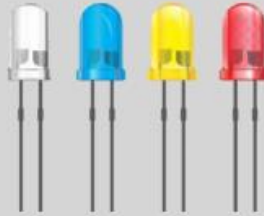
Content

- Types of Displays

- Graphical LCD

- PWM generator

Types of Displays
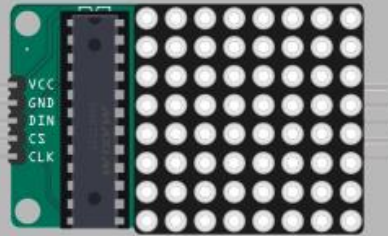
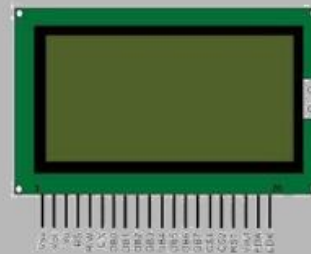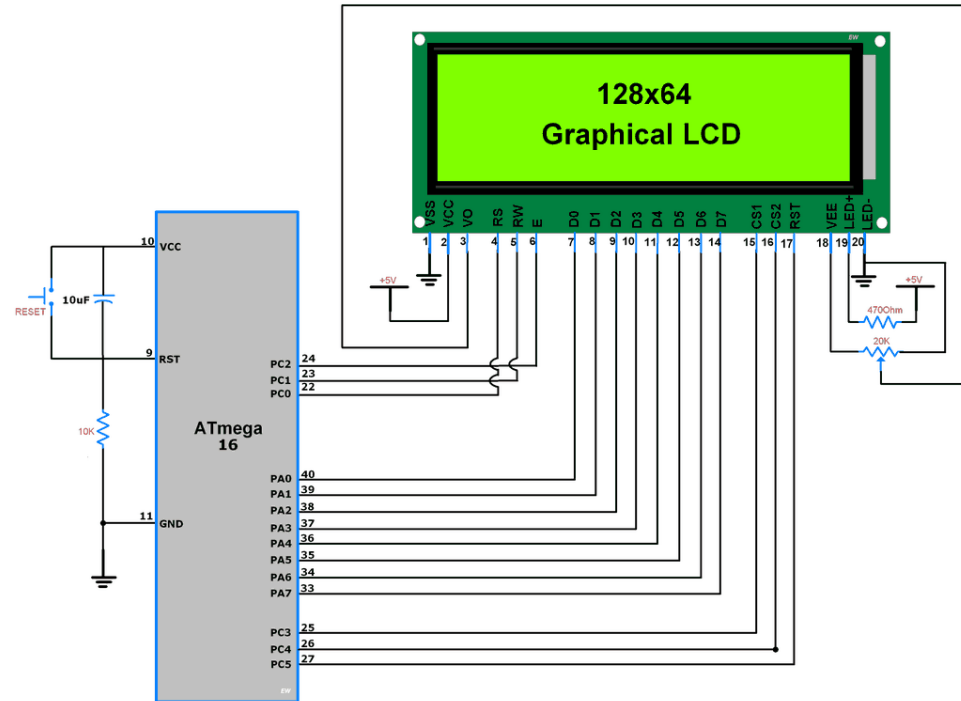| LEDs	LED Matrix	LED Segments
Character Liquid Crystal Display	Graphical Liquid Crystal Display	Thin Film Transistor Liquid Crystal Display (TFT LCD)

Graphical LCD

Graphical LCD

▶ **Initialization**

▶ To initialize the display, we need to do the below steps,

▶ Send Display OFF command i.e. 0x3E

▶ Send Y address e.g. here 0x40 (Start address).

▶ Send X address (Page) e.g. here 0xB8 (Page0).

▶ Send Z address (Start line) e.g. here 0xC0 (from 0th line).

▶ Now send Display ON command i.e. 0x3F

PWM DRAWER

- We use the following :
- Graphical LCD
- PWM generator
- External interrupt
- Timer 0

Thank you