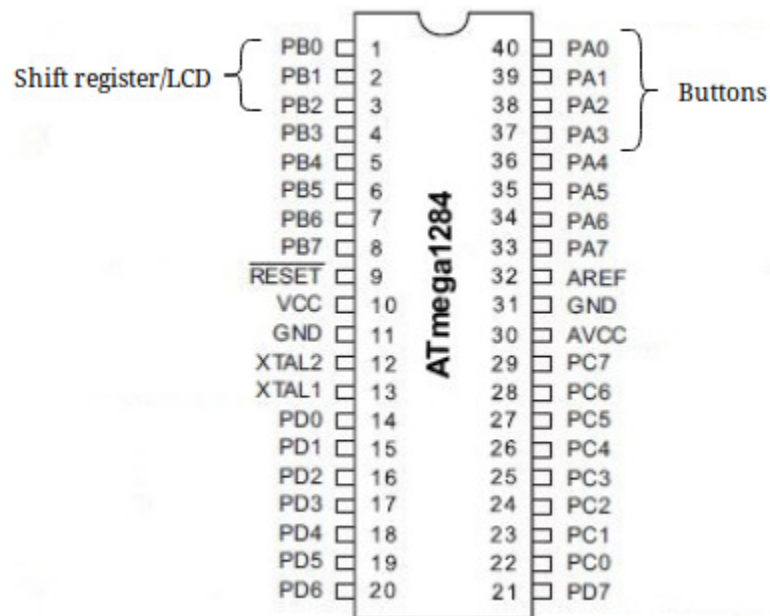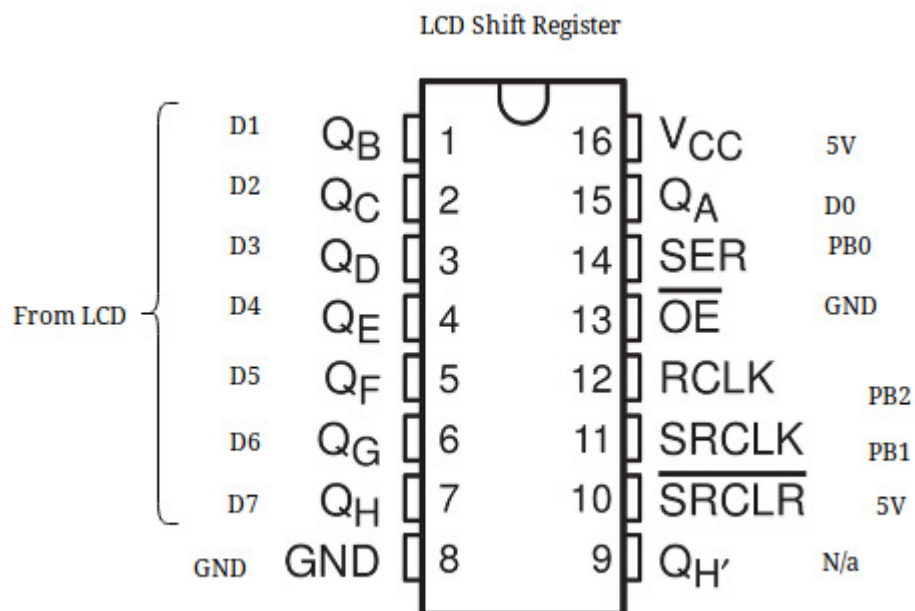# Hardware Wiring

ATMega Pinout:

Shift Register:

LCD Display:

16x2 LCD Display

Pin	Label	Connection
1	VSS (Ground)	GND
2	VDD (+5 Volt)	5V
3	VE (Contrast V)	Potentiometer
4	Register Select	PD6
5	Read/Write	GND
6	Enable	PD7
7	Data Pin 0	Q0
8	Data Pin 1	Q1
9	Data Pin 2	Q2
10	Data Pin 3	Q3
11	Data Pin 4	Q4
12	Data Pin 5	Q5
13	Data Pin 6	Q6
14	Data Pin 7	Q7
15	LED Positive	5V
16	LED Negative	GND

Q0–Q7: To Shift Register

YJD 1602A