

Keypad LCD System

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Simulation:

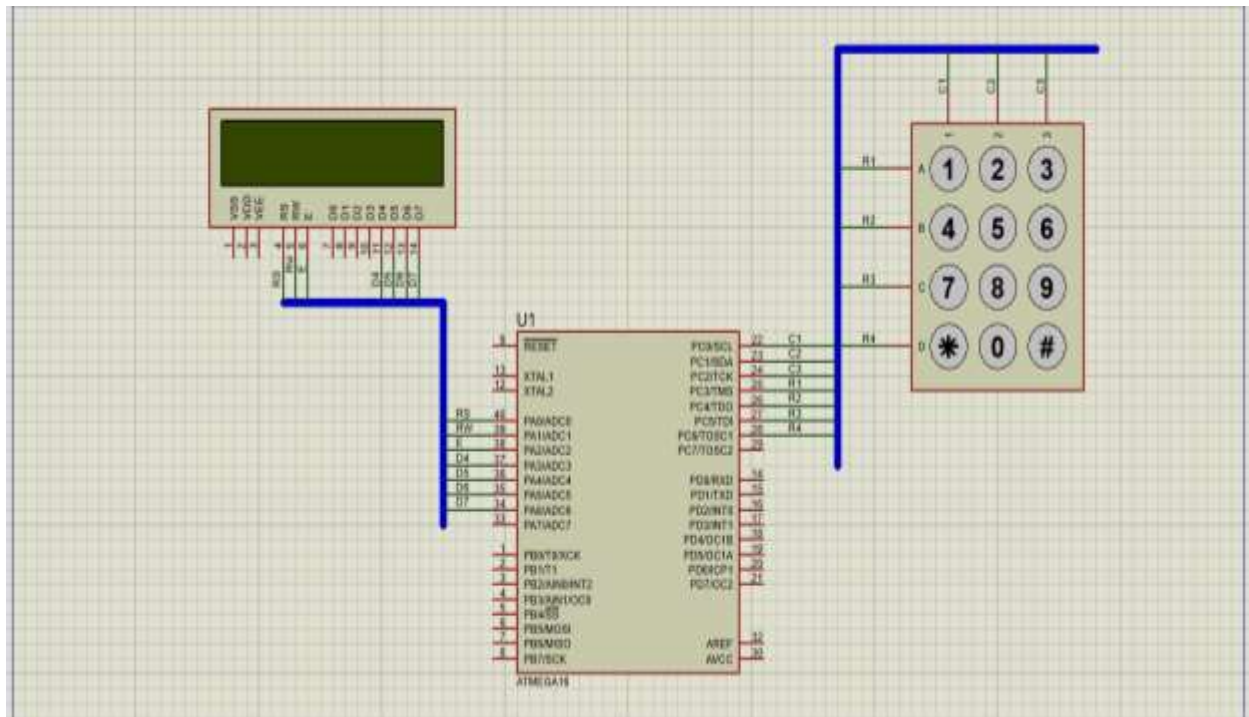


Table Connection:

Port Name	Input or Output	Hardware item
PC0	output	Keypad first column
PC1	output	Keypad second column
PC2	output	Keypad third column
PC3	Input	Keypad first row
PC4	Input	Keypad second row
PC5	Input	Keypad third row
PC6	Input	Keypad forth row
Port A	Output	LCD

The needed Hardware items:

- 1) Atmega16 Microcontroller:
Central processing unit that executes the code and controls the overall operation of the security system.
- 2) 16 * 2 LCD Display:
Used for displaying Numbers.
- 3) Keypad (4*3):
Input device for users to enter Numbers
- 4) Pull-Up Resistors:
Resistors used to enable pull-up resistance for input pins.

[LinkToCode](#)