



PROBOTS

Shield-LCD User's Manual



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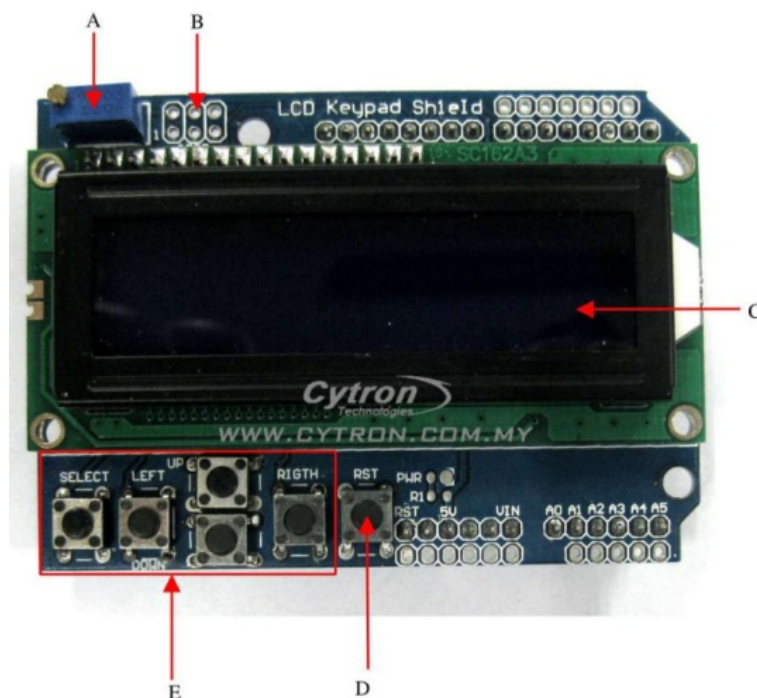
INTRODUCTION

The LCD Keypad shield is developed for Arduino compatible boards, to provide a user-friendly interface that allows users to go through the menu, make selections etc. It consists of a 1602 white character blue backlight LCD. The keypad consists of 5 keys select, up, right, down and left. To save the digital IO pins, the keypad interface uses only one ADC channel. The key value is read through a 5 stage voltage divider.

Features:

- Operate at 5V
- Uses Arduino LCD4Bit library
- Plug and Use with Arduino main board, no solder or fly-wiring needed.
- 2×16 LCD, White character, Blue backlight
- 6 push buttons

BOARD LAYOUT




Label	Function
A	LCD Contrast potentiometer
B	ICSP

C	LCD Display
D	Reset Button
E	Push button connect to Analog Input Pin 0

PIN ALLOCATION

Pin	Function
Analog 0	Button (select, up, right, down and left)
Digital 4	DB4
Digital 5	DB5
Digital 6	DB6
Digital 7	DB7
Digital 8	RS (Data or Signal Display Selection)
Digital 9	Enable
Digital 10	Backlight Control

Documents / Resources

	Probots 1602 LCD Keypad Shield Blue Backlight [pdf] User Manual 1602 LCD Keypad Shield Blue Backlight, 1602, LCD Keypad Shield Blue Backlight, Keypad Shield Blue Backlight, Shield Blue Backlight, Blue Backlight
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References

- [User Manual](#)

◆ 1602, 1602 LCD Keypad Shield Blue Backlight, Blue Backlight, Keypad Shield Blue Backlight, LCD Keypad Shield Blue Backlight, Probots, Shield Blue Backlight

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