

Shield-LCD User's Manual



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1. INTRODUCTION

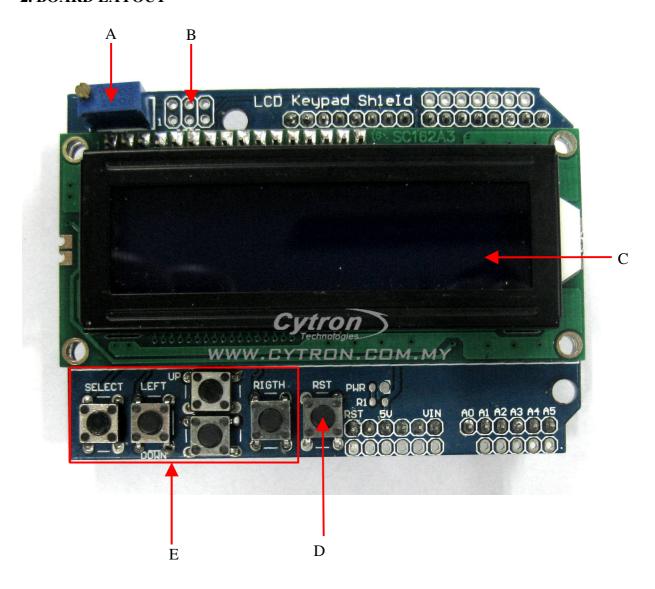
The *LCD Keypad shield* is developed for Arduino compatible boards, to provide a user-friendly interface that allows users to go through the menu, make selections etc. It consists of a 1602 white character blue backlight LCD. The keypad consists of 5 keys — select, up, right, down and left. To save the 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.
- 2x16 LCD, White character, Blue backlight
- 6 push buttons



2. BOARD LAYOUT



Label	Function	Label	Function
A	LCD Contrast potentiometer	D	Reset Button
В	ICSP	E	Push button connect to Analog Input Pin0
С	LCD Display		



3. 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	



4. WARRANTY

- Product warranty is valid for 6 months.
- Warranty only applies to manufacturing defect.
- Damage caused by mis-use is not covered under warranty.
- Warranty does not cover freight cost for both ways.

Prepared by

Cytron Technologies Sdn. Bhd.

19, Jalan Kebudayaan 1A,

Taman Universiti,

81300 Skudai,

Johor, Malaysia.

Tel: +607-521 3178 *Fax:* +607-521 1861

URL: www.cytron.com.my
Email: support@cytron.com.my
 sales@cytron.com.my