

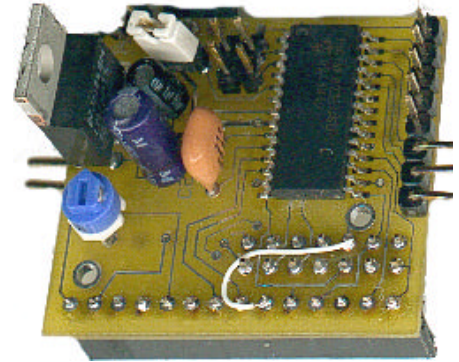
CLCD1 Serial 1 wire RS232 LCD development board

Can be used with most 14 pin HD44780 based character LCD displays

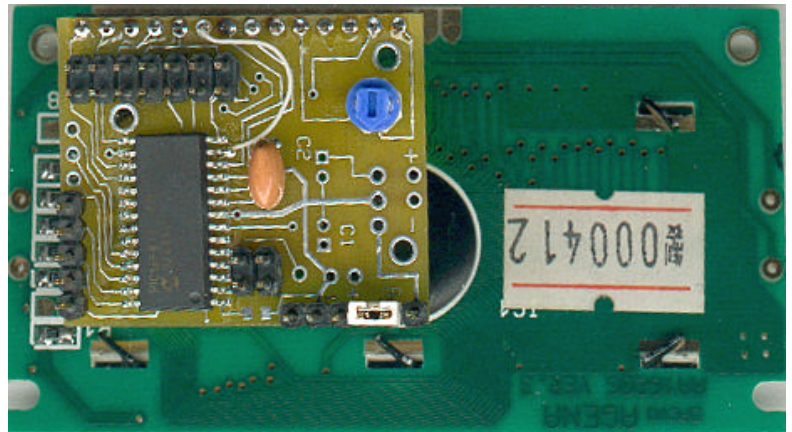


Use with 1,2,3 or 4 line displays. (Four line LCD shown above)

Can be mounted on the back of most displays that have 1x14 or 2x7 pin connections. Operates on 5v supply or with the optional 5v on-board regulator (7-16vdc IN). The PIC16F872 (or similar) microcontroller can be programmed via the provided ICSP header. A programmer such as MELab's EPIC Plus board can be used with a ribbon cable. Source code, written in PICBasicPro for the firmware is included. This allows the user to modify or re-write the code to suit their needs. Five I/O pins are available. These pins can be controlled via commands sent serially.



Shown assembled with optional 5v power supply regulator (Input 7-16vdc). Very compact. Only 1.25x1.5" in size



The board is provided assembled (without options) and the mcu programmed with CLCD Ver 1.0 firmware when shipped. Source code is also available for non-commercial use.

RS232 data can be configured for TRUE, such as a PC com port connection, or TTL INVERTED, when connecting to another microcontroller or TTL serial device. Baud rate can be selected via jumpers. Possible rates are 1200,2400,9600 and 19200 baud. 19200 baud may not be possible in all cases. Special commands can be sent to the LCD to display any character (0 to 255) in its CGRam. The user can also design and load upto 8 custom characters. The firmware includes 8 custom characters which can be altered as required. All standard HD44780 commands can be sent serially to the display.

Disclaimer and Terms of Agreement

As with any kit, only the individual parts supplied are guaranteed against defects and not the user assembled unit. All kit parts are purchased from reputable sources such as Digikey Inc, Allied Electronics and Mouser Inc, however, should a kit part be ascertained to be defective it will be replaced at no charge within 30 (thirty) days of the purchase date. Beyond that, COMPSys Workbench and / or the COMPSys developer(s) assume no liability and WILL NOT be held liable nor be held responsible wholly or in part for any damages caused by the construction of and / or use of their products sold .