

# GLiPIC revisions

PLEASE READ FIRST!

## GLiPIC PCB Ver E changes

Added support for an optional reverse voltage protection diode (1N4001 or equiv). The diode can be mounted at holes A (anode) and K (cathode), located near the voltage regulator. (see illustration below)

## GLiPIC PCB Ver D

### Changes from Ver C:

(1) Pins 19 and 20 of the LCD 20 pin header are now connected to PORTE 1 and PORTE 2, this provides additional pins on the LCD connector if needed.

(2) Instead of a backlight switch, a 2pin header is provided as a general source for LED backlights. Please use with care since some LCD backlights draw considerable current it can overheat the regulator which is rated at 500ma.

The schematic in the manual does not reflect these changes

### Other notes

IF using the KS0108 LCD DO NOT connect PINS 19 and 20 of the header, only Pins 1-18 should be connected.

IF using a T6963C or SED1330 LCD all 20 PINS of the LCD header can be connected only if you need to have Pins19-20 them available on the LCD adapter for some special purpose. Normally, they are not required only PINS 1-18 will be needed for the LCD. The 20K POT on the GLiPIC PCB is not required and it should be mounted on the LCD adapter pcb for these LCDs instead.

The Hyundai 256x128 LCD only requires 17 pins and uses the GLADPS2 adapter. You can use the 17 pin right angled strip for the LCD.

Note: The Hyundai LCD can mate with the adapter using an ordinary PC IDC hard drive cable 40 pin header (only one row is used). In that case, mount the 17 pin straight header to the GLADPS2 adapter (LCD side) instead of the 17 pin female header.

A 3-pin right angle pin header is provided for the power source even though only 2 pins are required. For reinforcement, you may solder the third pin in the adjacent large ground pad

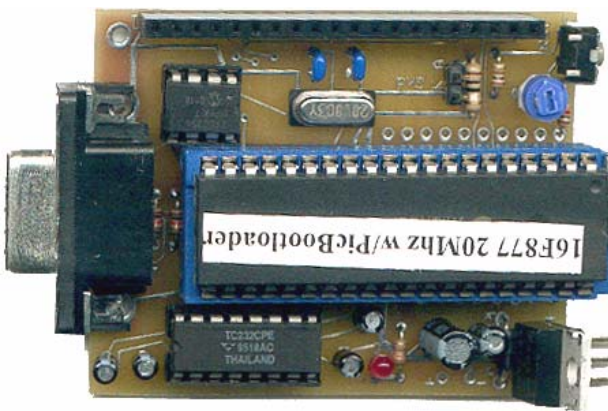
A 2 pin strip of straight headers is provided for the LED backlight pins. Please use with care since some LCD backlights draw considerable current it can overheat the regulator which is rated at 500ma.

The GLiPIC pcb is packaged with some sockets in place, this is only for shipping purposes to prevent IC socket leg damage. Please remove them and follow the construction instructions before soldering them in place.

Support files are available at <http://www.compsys1.com/support/>

The PIC is usually provided with the free bootloader available at <http://www.microchip.com>

The windows PICDownloader is available at the same site. This way the PIC can be programmed serially without having to remove it from the board.



Revision E and F board

