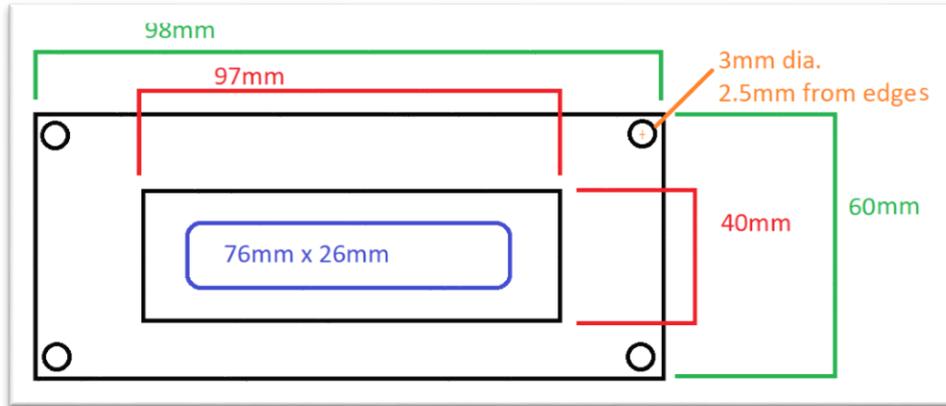


20x4 character LCD

Dimensions

The overall size of the module is 98x60mm. it has 4x 3mm diameter mounting holes 2.5mm from each edge (so there is 1mm gap from hole to edge) and the screen protrudes out 10mm from the topside of the PCB.



Pinout

The pins on this module is labelled.

Pin	Description
VSS	Ground
VDD	5V supply
V0	Contrast
RS	Register select
RW	Read / Write
E	Enable
D0 – D7	Parallel data ports
A	Backlight Anode
K	Backlight Cathode

Specifications

Backlight LED forward voltage is 2.5V but it is in series with a 51-ohm resistor so it is safe to connect directly to 5v.

Programming

This module uses the same HD44780U LCD controller as many of the 16x2 displays.

In all circumstances, it is possible to change the existing 16x2 code to initialise and work in 20x4 memory space. This includes when using the arduino *“LiquidCrystal.ino”* example or using the [XC3706](#) port expander module.