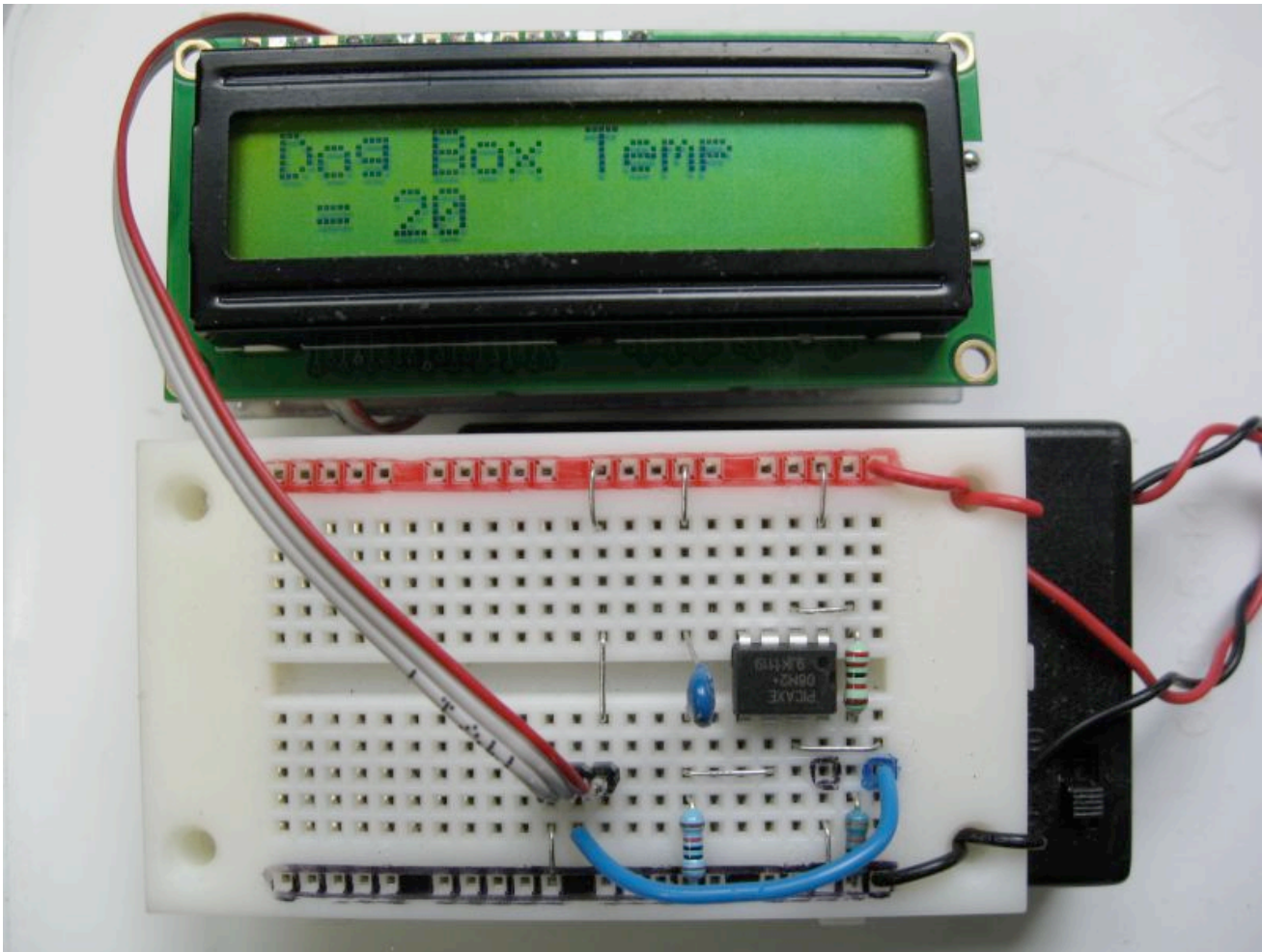


## LCD Serial Back Pack ~ Electroflash



### Loopa:

readadc 1, b1

sertxd ( 254, 1)

pause 100

sertxd ( 254, 128, "Dog Box Temp")

pause 100

sertxd ( 254, 192, " = ", #b1 )

pause 100

nap 7

goto Loopa

*'Read ADC from 100k thermistor 10k resistor on pin1*

*'Reset / Clear the LCD display*

*'Short time delay after any LCD command*

*'Line 1 Position 1 txt "Dog Box Temp"*

*'Short time delay after any LCD command*

*'Line 2 position 1 txt = and the ASCII decimal b1 value*

*'Short time delay after any LCD command*

*'Time delay to display the message !*

- **Note: ALL commands must be followed by a pause 100 to allow the LCD to process data**
- **To turn backlight ON send 254, 254, 1**
- **To turn backlight OFF send 254, 254, 2**
- **Text can be placed at any position e.g. sertxd ( 254, 197, " = ", #b1 ) will place the = sign in the middle  $192 + 5 = 197$  or 5<sup>th</sup> position along on the second line down**
- **Special commands 254, 24 or 254, 28 can be used to scroll to hidden parts of the display and for creating rolling messages and other interesting 'screen saver' type effects.**
- **Refer to the Serial LCD Back Pack kitset booster course and the booklet resource for advanced commands and project ideas**

- **The kitset has spare I/O pins on the 14M2 LCD driver chip PCB. The same 14M2 kit hardware can be custom programmed to form the basis of an advanced transducer interfacing project. E.g. RF / Ird data link, piezo sounder, scroll and control push buttons**