How to Build and Code, using an Arduino R3 Uno , an "i2c 16x2, Serial Interface Adapter Module, LCD Display".

Pat McMahon – V2– 28/3/2022 For SCORPIO TECHNOLOGY

<u>Design Brief</u> – You will Build and adjust the Example Code for an "i2c 16x2, Serial interface Adapter Module (PCF8574), LCD Display" with only 4 wires (positive, negative & 2 wires) using an Arduino Uno R3 Microcontroller.



The i2c Serial Interface Adapter Module, usually has the 16 Pin ^{*} Male Header attached to it. If not solder and then solder the complete module to the 16x2 LCD as above.

Using 4 Male to Female Dupont connector wires, attach as below.



Black-GND to GND on Uno Red– VCC to 5V on Uno Yellow– SDA to A4 on Uno Blue– SCL to A5 on Uno



Note – I have found that all UPPER CASE letters display better than some lower case letters.

Page 2