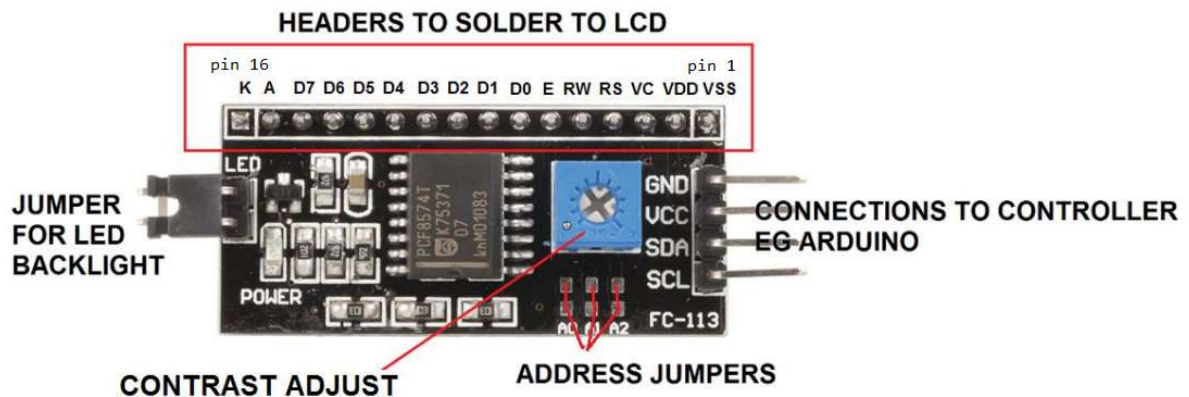


XC3706 I2C Port Expander Module for LCDs

The XC3706 is designed to solder directly to the header of any HD44780 compatible LCD module and provide complete control via a two wire interface (I2C). The breakout board offers multiplexing, contrast control (via adjustable pot) and an LED backlight control, with up to 8 unique addresses via solder-bridges.

The default address is 0x27.



Please note, the white mark separating the first/last pin can appear on either side but is unimportant to the layout.

To use with Arduino, the 'LiquidCrystal_PCF8574' library provides a similar command interface to the standard LiquidCrystal library, as well as a command to set the backlight. It can be installed via the Arduino Library Manager or through github.

Circuit diagram for Arduino UNO R3:

