

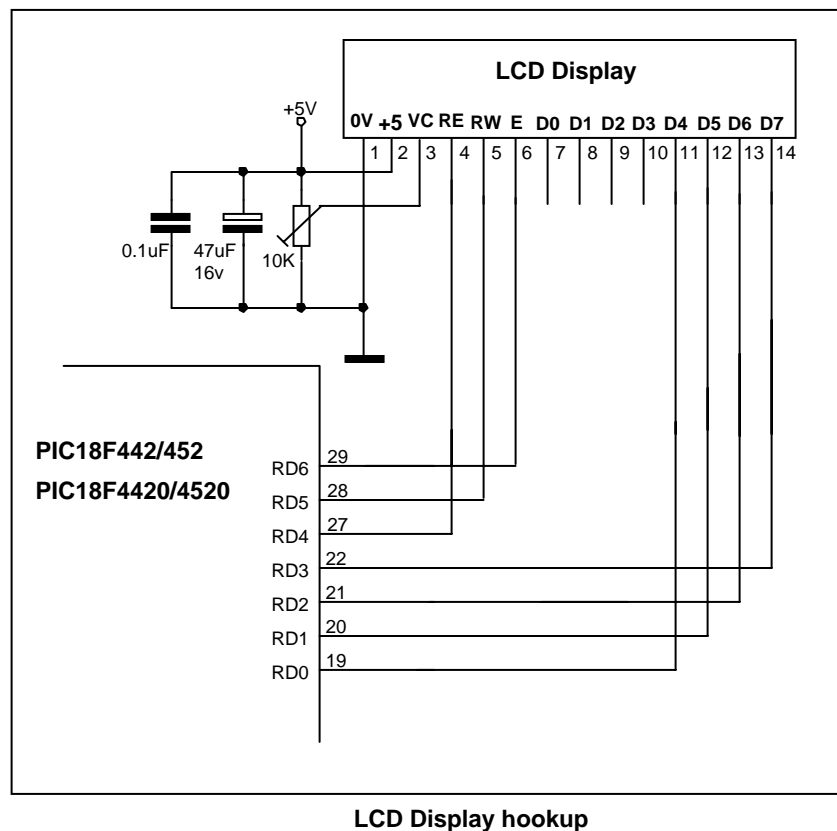
## LCD Display interface for PIC\_CB01

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When using a 40-pin PIC18F you can use a LCD display unit tied to Port D to display the following:

Byte variables	..... using FB142.
INT variables	..... using FB143.
FP32 variables	..... using FB145.
Strings	..... using FB146.

The following figure indicates how to hook up the LCD display to the microcontroller. It is probably a good idea to tie pins 7, 8, 9, 10 (D0, D1, D2, D3) of the LCD module to 0V.



The connection lines between the microprocessor and LCD should be kept short (max 60mm). You can make them longer (about 150mm) but then you must use a ribbon cable with two extra conductors at ground potential with the 'E' line between the two ground conductors. This is to assist in shielding the 'E' line from receiving interference from any of the other lines. (A condition that will cause corrupt display characters).