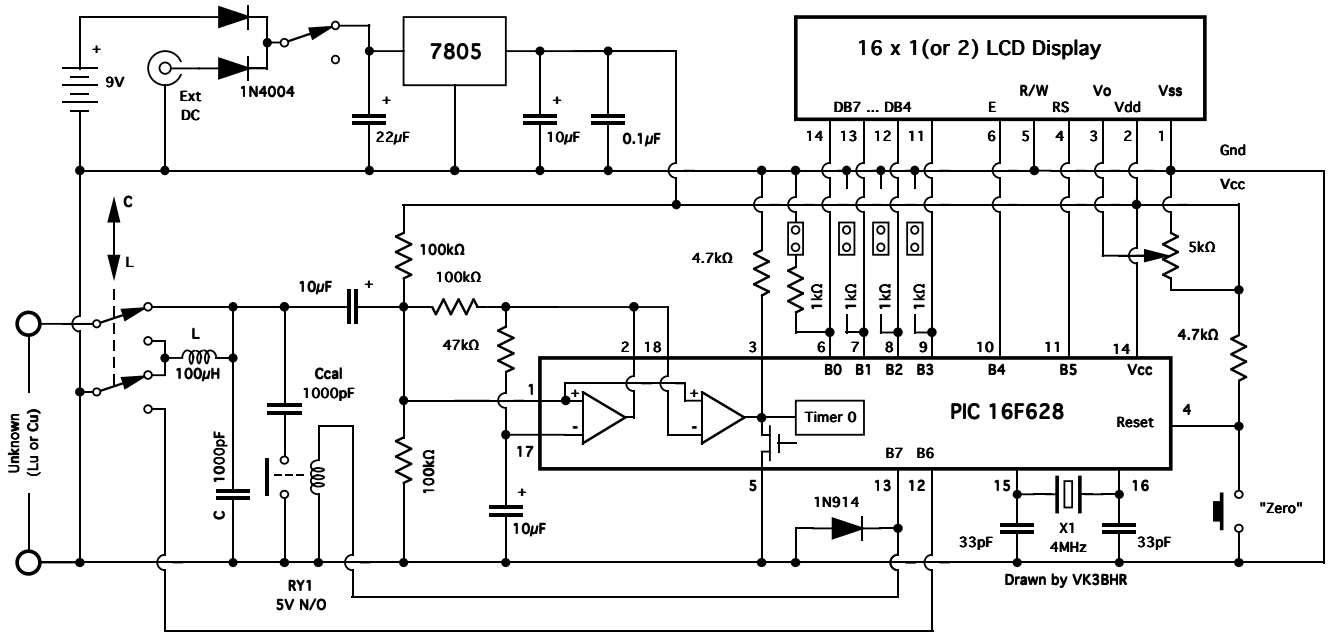
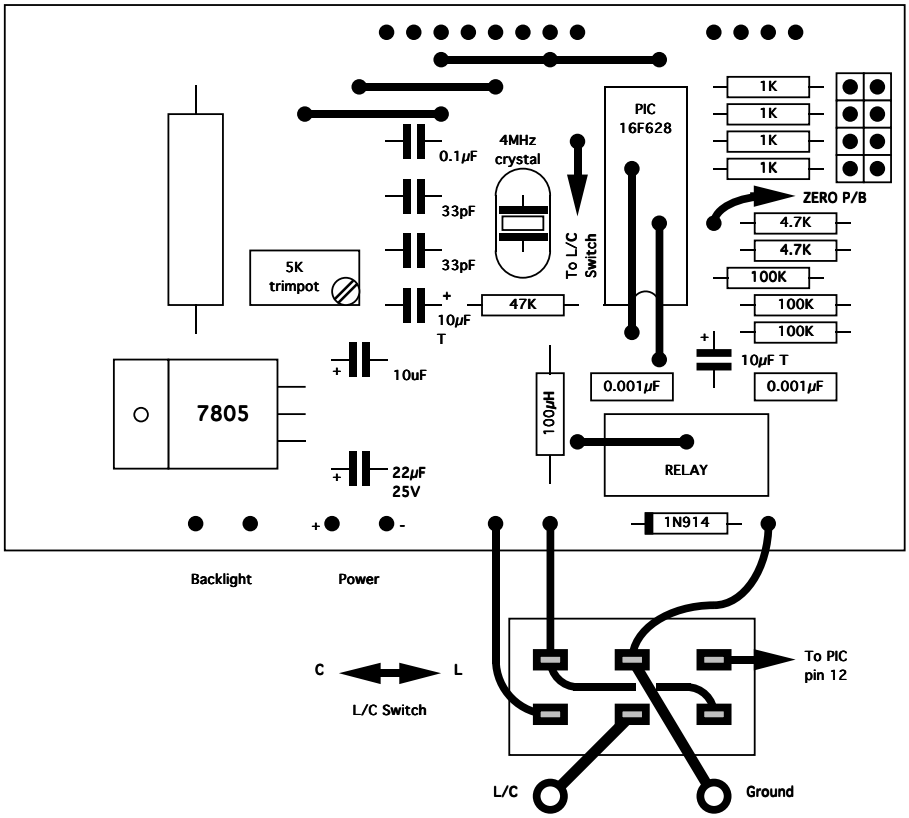

16 x 1(or 2) LCD Display
DB7 ... DB4
E
R/W
RS
Vo
Vdd
Vss
Gnd
Vcc
9V
Ext DC
1N4004
7805
22µF
10µF
0.1µF
C
L
100kΩ
47kΩ
4.7kΩ
1kΩ
5kΩ
100µH
Ccal 1000pF
C 1000pF
Unknown (Lu or Cu)
RY1 5V N/O
PIC 16F628
Timer 0
B0 B1 B2 B3 B4 B5 B6 B7
Reset
1N914
X1 4MHz
33pF
"Zero"
Drawn by VK3BHR


PIC 16F628
4MHz crystal
To L/C Switch
0.1µF
33pF
33pF
10µF T
47K
5K trimpot
1K
ZERO P/B
4.7K
100K
10µF T
0.001µF
7805
10uF
22µF 25V
100µH
RELAY
1N914
Backlight
Power
C
L
L/C Switch
To PIC pin 12
L/C
Ground