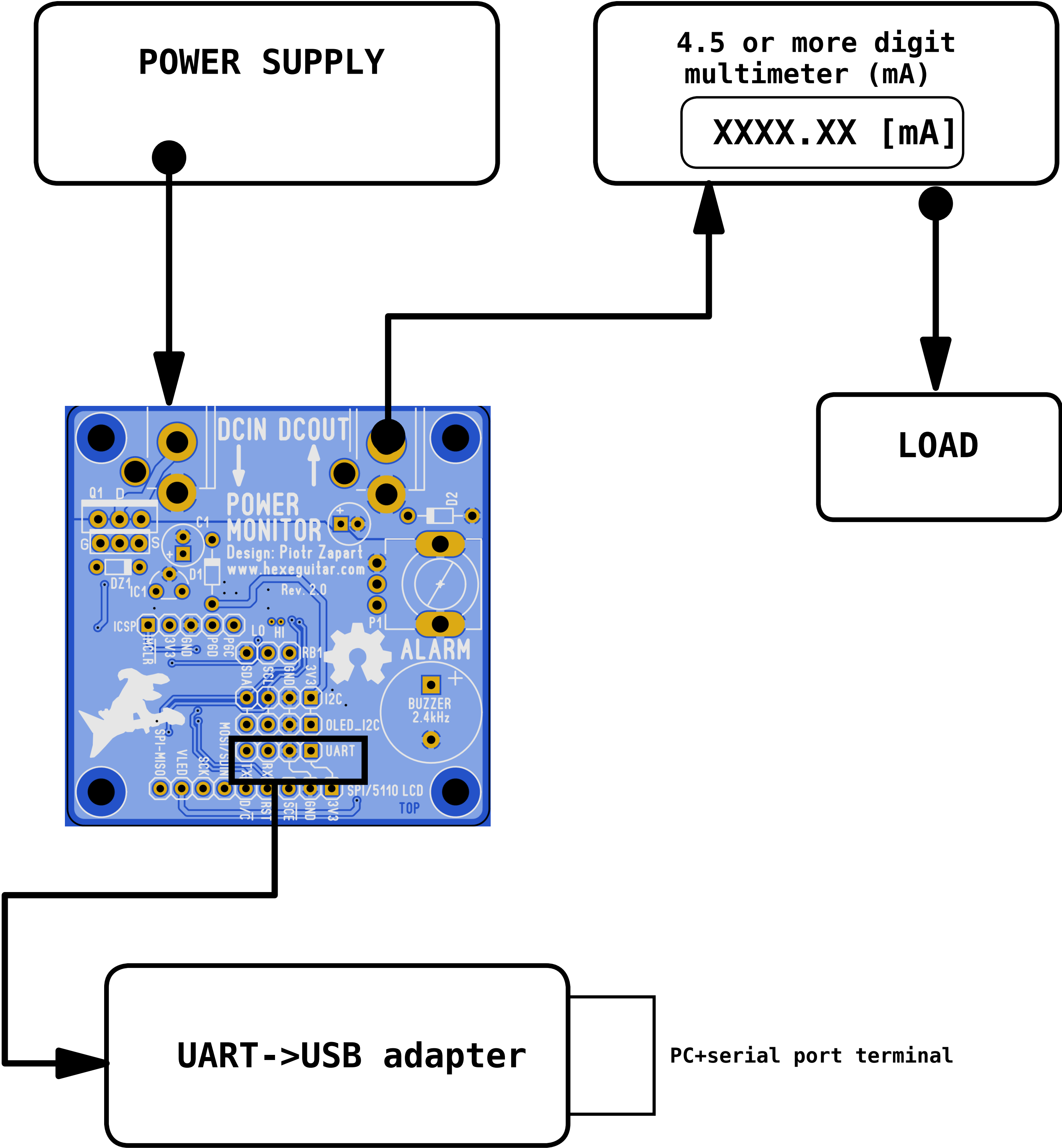


# INA219 recalibration procedure via UART

optional way to increase the measurement precision



1. Connect the power supply (5-26VDC) to the DCIN input.
2. A 4.5 or more digit multimeter (miliAmpmeter) should be used as a reference. Connect it between the DCOUT and the LOAD.
3. Connect ther UART output (9600baus, 8bit, 1 stop bit, no parity) to the PC, use an UART/USB adapter if your PC doesn't have the serial port.
4. Use a serial port terminal program to perform the procedure.
5. Send the command: "recal" to start the procedure
6. Read the reference current measured with the multimeter.
7. Input the refernce current in format xxxx.xx the value is in [mA].
8. A new calibration constant will be calculated and shown.
9. Send "y" to save the new constant in EEPROM or "n" to cancel the operation.
10. You can cancel the recalibration procedure at any time by sending the command "exit"

Project Name:	Date: 05-07.2014	
POWER MONITOR PIC24F16KA101 + INA219 mini dev board		
Author:	PIOTR ZAPART www.hexeguitar.com	License: 