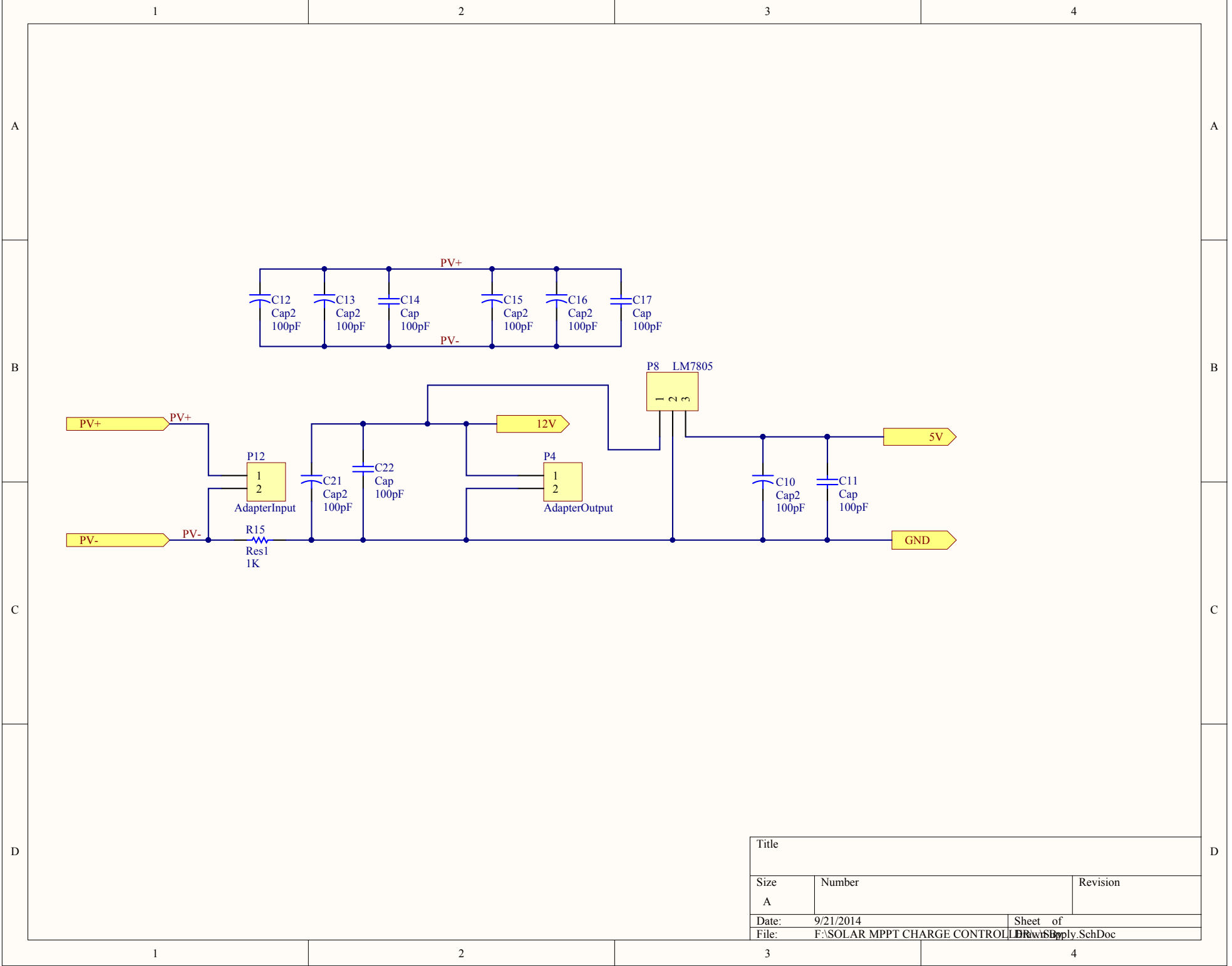
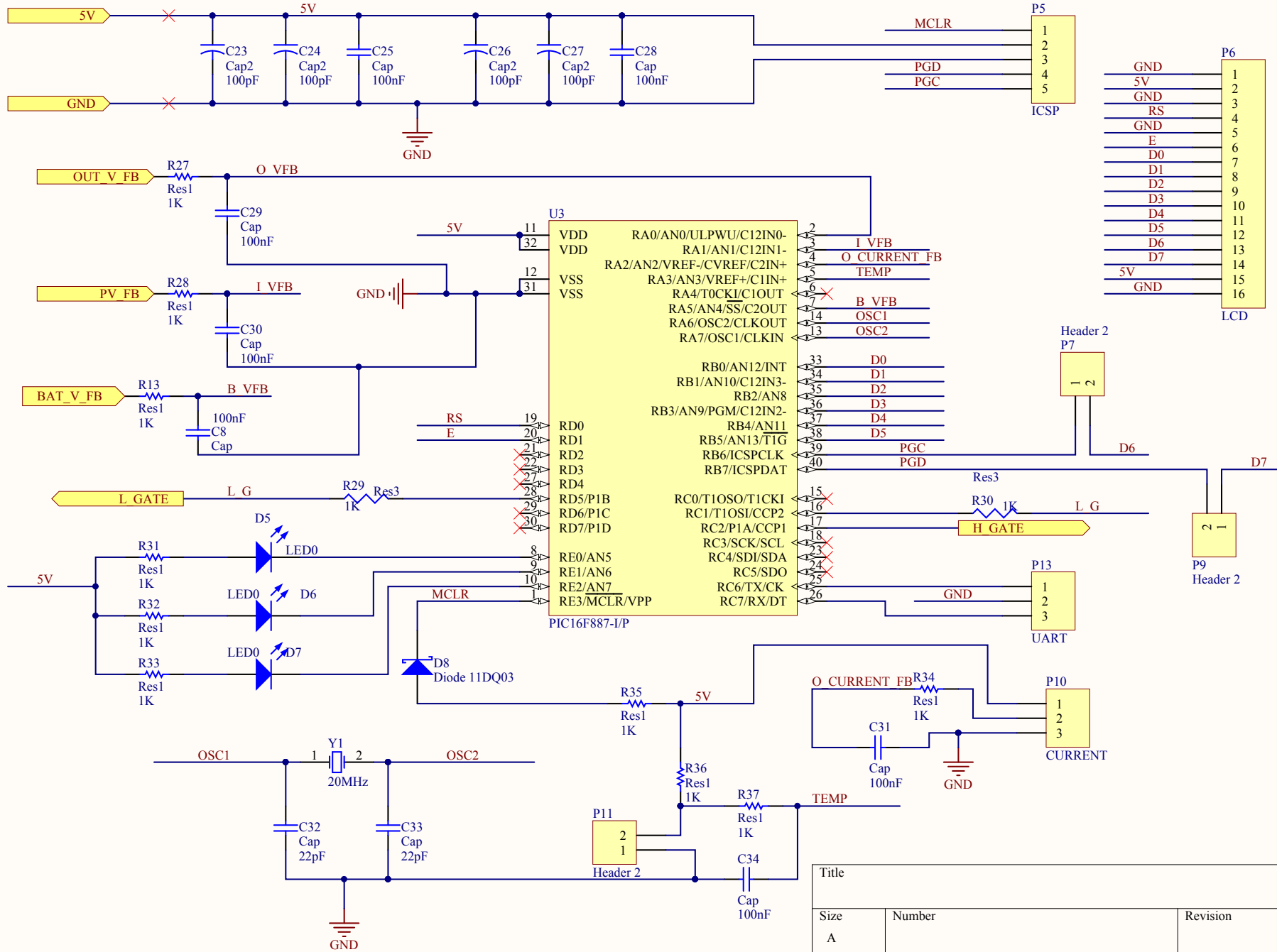


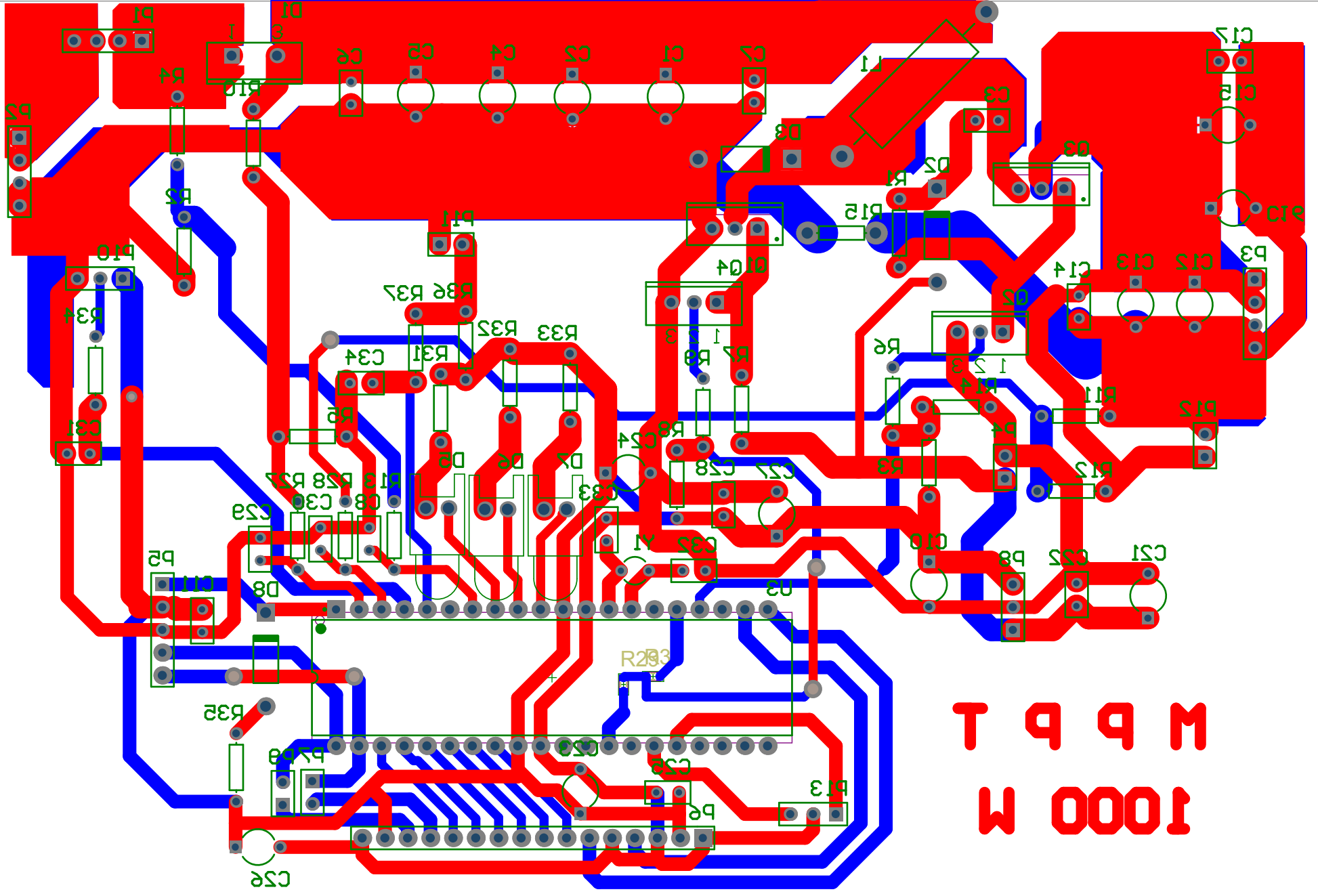
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File:	F:\SOLAR MPPT CHARGE CONTROLLER\DrawnB.SchDoc	1



M P P T  
1000 W

Comment	Description	Designator	Footprint	LibRef	Quantity
Cap2	Capacitor	C1, C2, C4, C5, C10, C12, C13, C15, C16, C21, C23, C24, C26, C27	CAPR5-4X5	Cap2	14
Cap	Capacitor	C3, C6, C7, C8, C11, C14, C17, C22, C25, C28, C29, C30, C31, C32, C33, C34	RAD-0.1	Cap	16
Diode 10TQ045	Schottky Rectifier	D1	TO-220AC	Diode 10TQ045	1
Diode 11DQ03	Schottky Rectifier	D2, D3, D8	DO-204AL	Diode 11DQ03	3
LED0	Typical INFRARED GaAs LED	D5, D6, D7	LED-0	LED0	3
Inductor Iron	Magnetic-Core Inductor	L1	AXIAL-0.9	Inductor Iron	1
Current Sensor	Header, 4-Pin	P1	HDR1X4	Header 4	1
Header 4	Header, 4-Pin	P2, P3	HDR1X4	Header 4	2
AdapterOutput	Header, 2-Pin	P4	HDR1X2	Header 2	1
ICSP	Header, 5-Pin	P5	HDR1X5	Header 5	1
LCD	Header, 16-Pin	P6	HDR1X16	Header 16	1
Header 2	Header, 2-Pin	P7, P9, P11	HDR1X2	Header 2	3
LM7805	Header, 3-Pin	P8	HDR1X3	Header 3	1
CURRENT	Header, 3-Pin	P10	HDR1X3	Header 3	1
AdapterInput	Header, 2-Pin	P12	HDR1X2	Header 2	1
UART	Header, 3-Pin	P13	HDR1X3	Header 3	1
IRF3808	N-Channel Power MOSFET	Q1, Q3	TO-220AB	NMOS-2	2
NPN	NPN Bipolar Transistor	Q2, Q4	TO-220-AB	NPN	2
Res1	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R27, R28, R31, R32, R33, R34, R35, R36, R37	AXIAL-0.3	Res1	24
Res3	Resistor	R29, R30	J1-0603	Res3	2
PIC16F887-I/P	Flash-Based, 8-Bit CMOS Microcontroller with nanoWatt Technology, 8K (x14-Bit words) Program Memory, 624 Bytes Data Memory, 35 I/O pins, 40-Pin PDIP, Standard VDD Range, Industrial Temperature	U3	PDIP600-P40	PIC16F887-I/P	1
20MHz	Crystal Oscillator	Y1	R38	XTAL	1