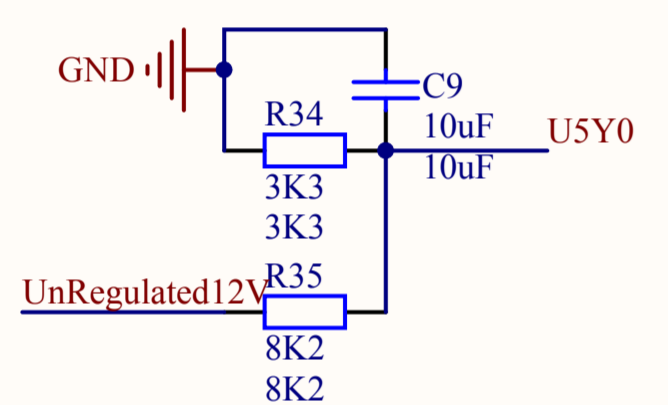
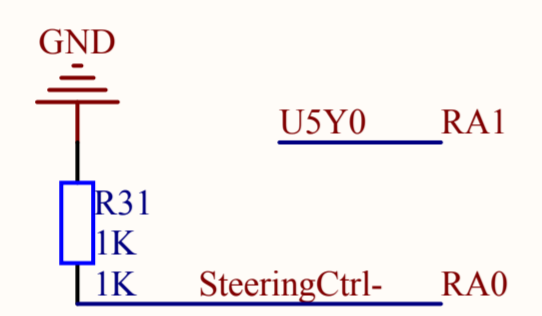


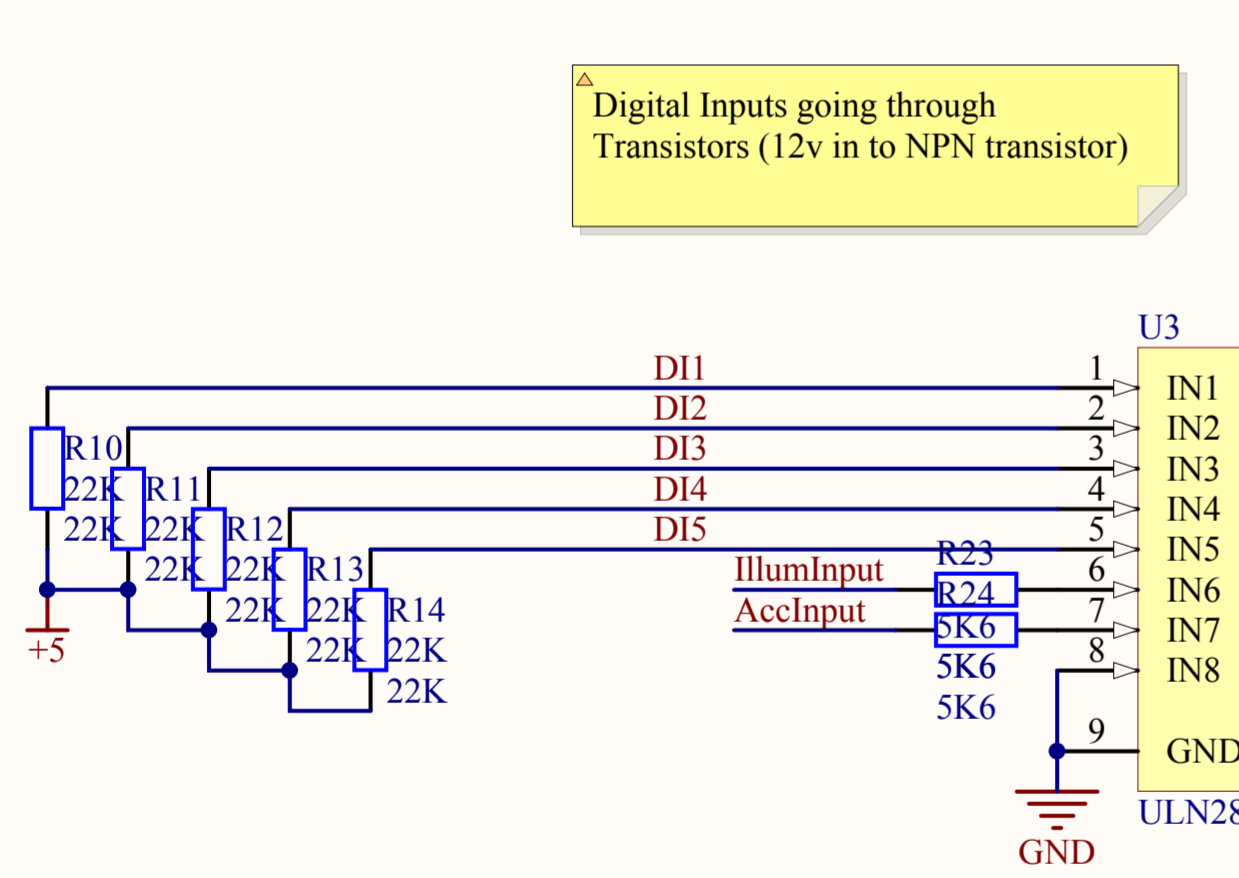
Voltage Divider for input to measure voltage. 14v = 4v.
<http://forum.microchip.com/tm.aspx?m=151036>



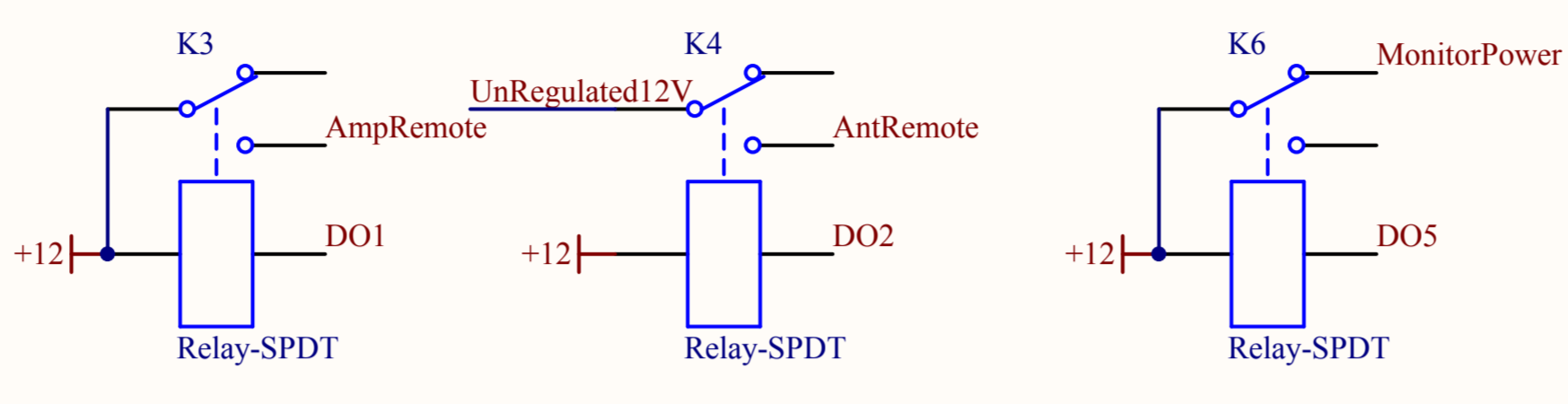
Input: U5Y0 to RA1 = Battery Voltage Reading. SteeringCtrl- to RA0 = steering wheel controls.



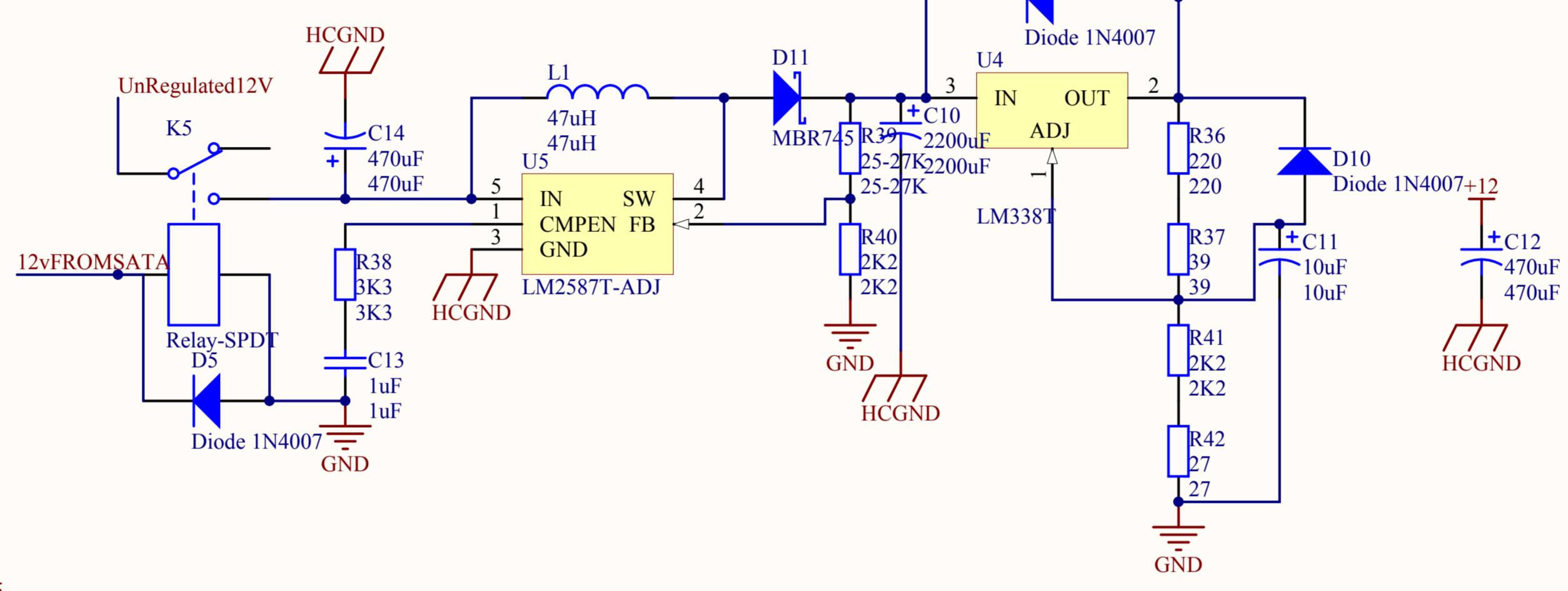
Digital Inputs going through Transistors (12v in to NPN transistor)



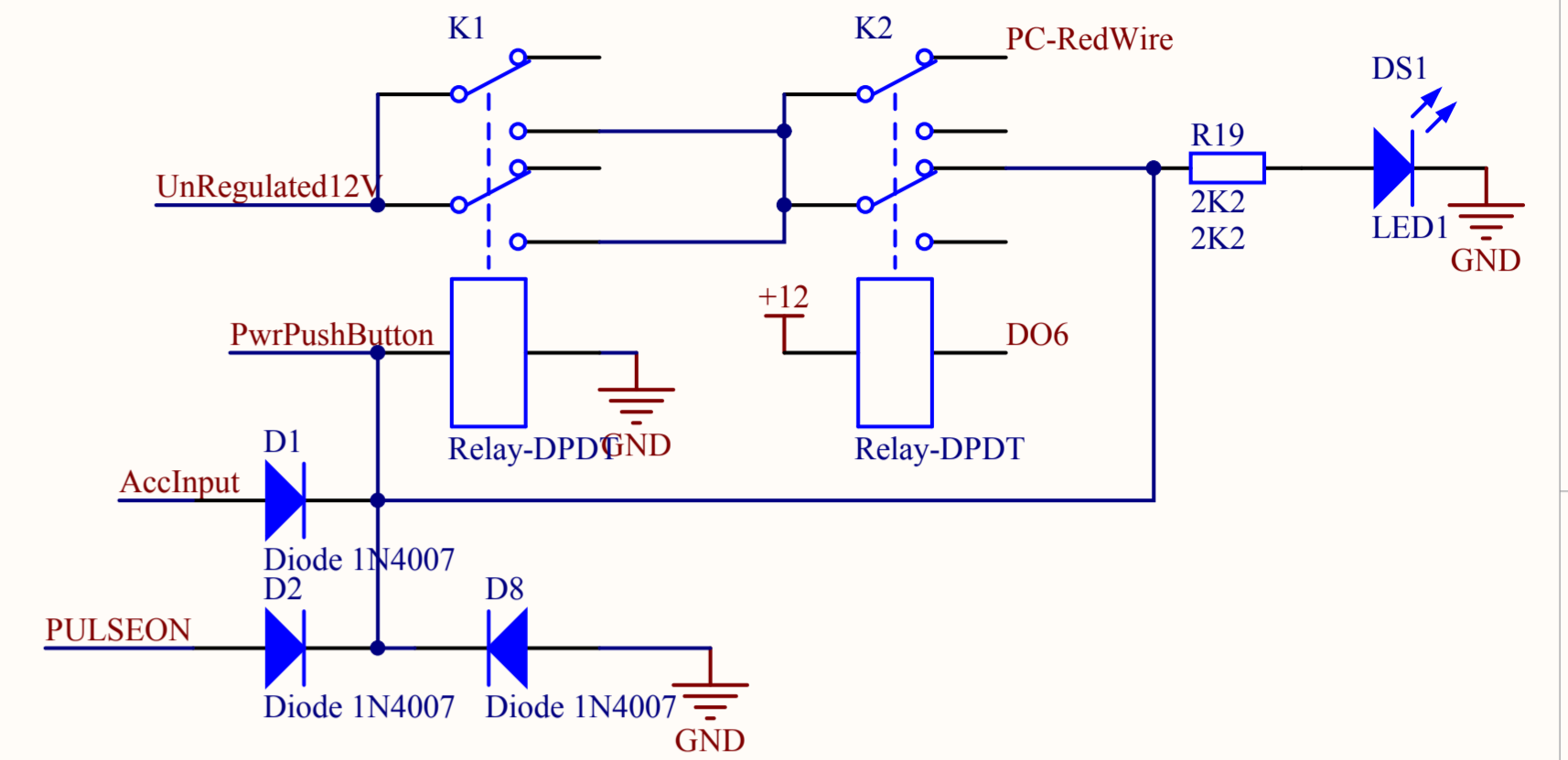
Relays Out:
 K3 = Amplifier Remote Wire, 12v should come from PC PSU, so amps are only on when computer is on.
 K4 = Antenna Remote Wire, controlled by DO2 - used for Radio, if it works... Power from constant on is ok, doesn't need to be regulated anyways.



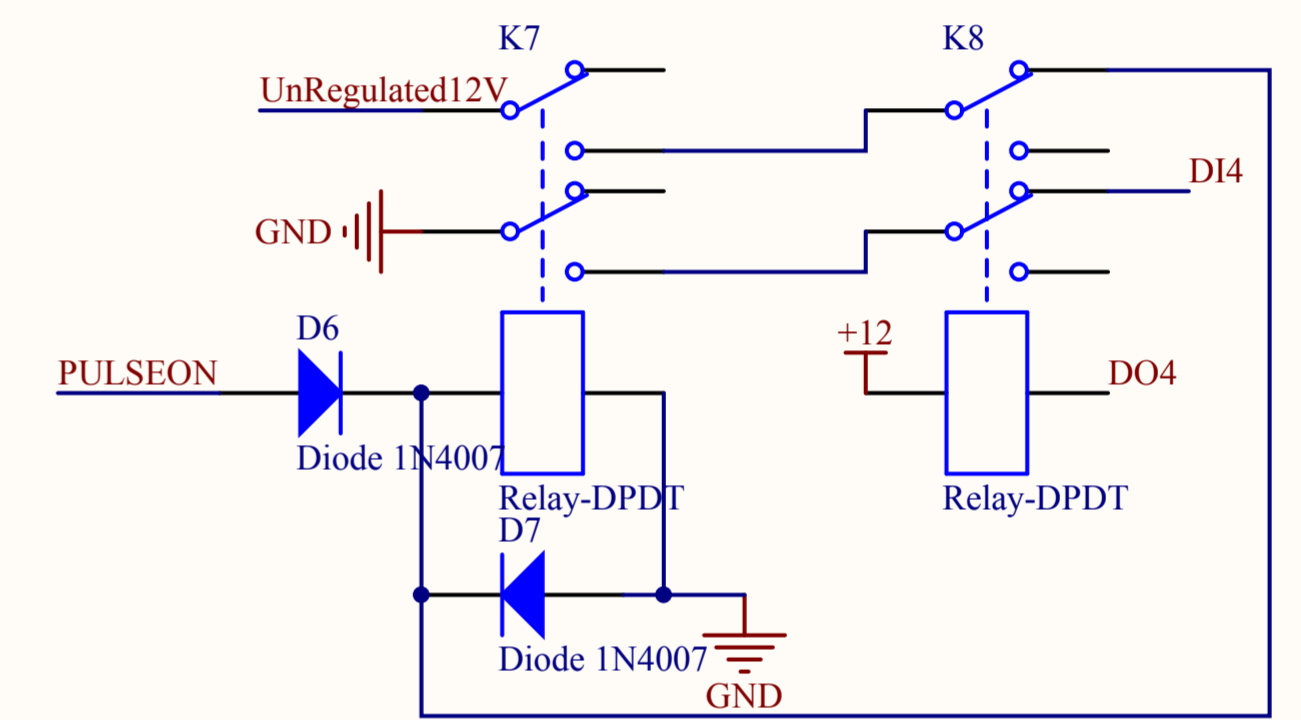
12V DC - DC PSU Regulator
 Uses Flyback Regulator 2587 to generate 15.45V, LM338T regulates to 12.01V



PC ON Power Logic:
 Either press S2, AccInput or SMSPCONInput will lock PC-RedWire HIGH, until K2 is triggered by a DO pulse sent from computer for shutdown. PC will then wait for the shutdown button sent by the OPUS PSU.

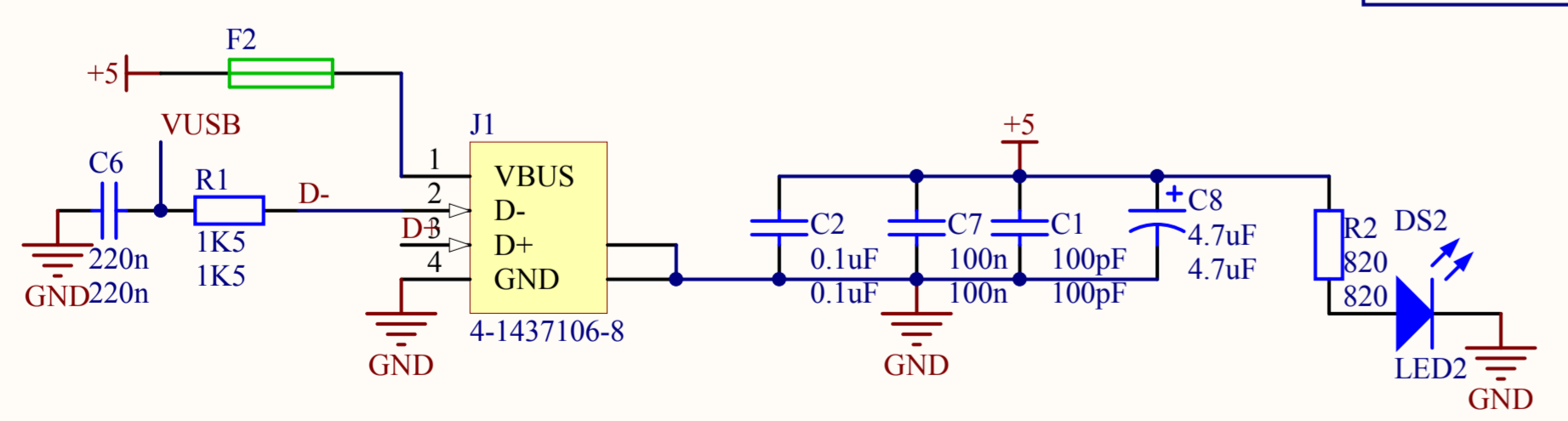
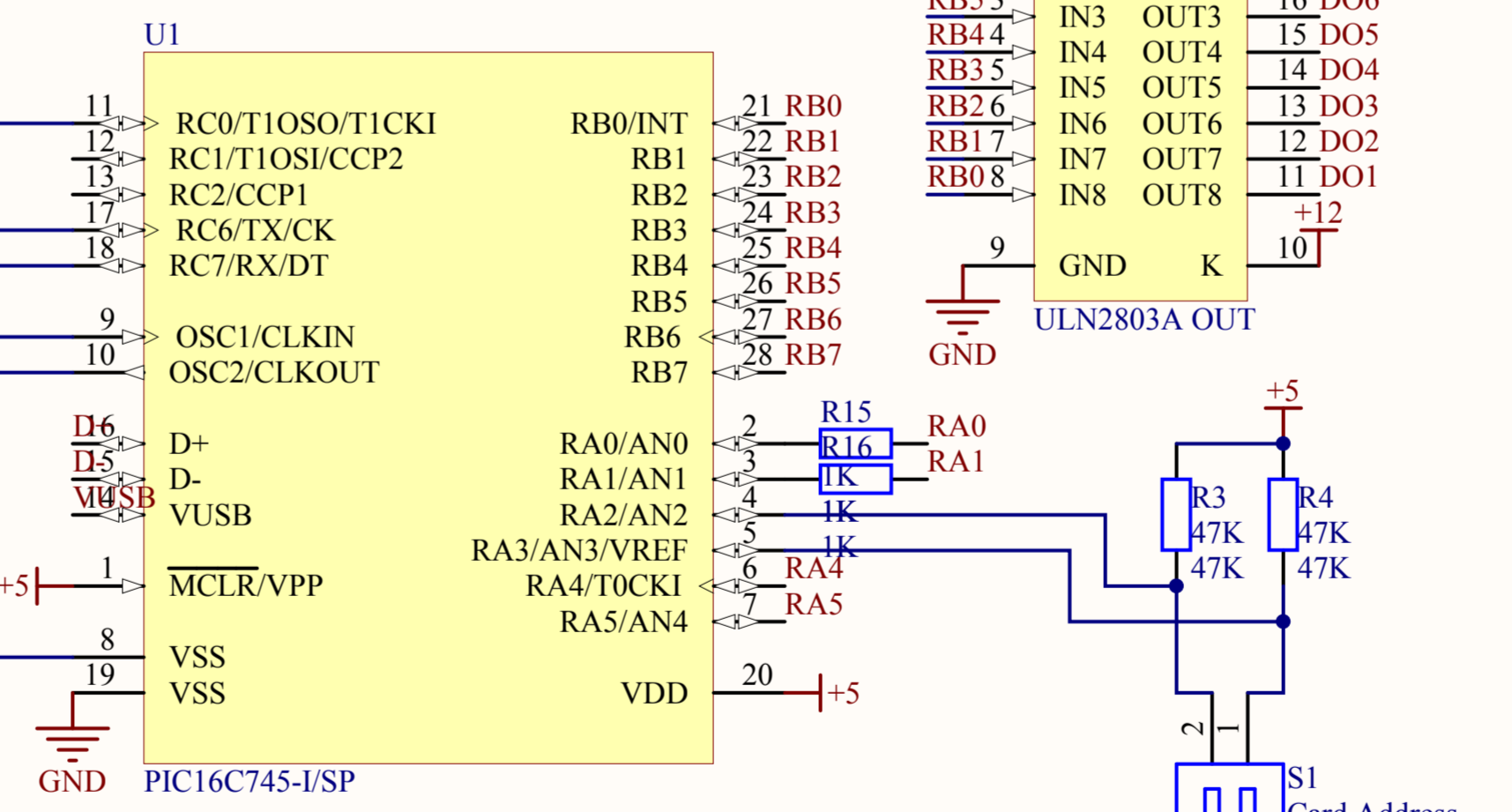


Pulse Latch Logic: Holds DI4 High (GND) until DO4 clears it. Used to send reply msg so I know it booted okay.



D01 - Amp Power
 D02 - Antenna Power
 D03 -
 D04 - Clear Latching Relay K7, used to confirm SMS recieved thingie.
 D05 - Monitor Power (high = off)
 D06 - Cut PC-Red Wire POWER (Relay)
 D07 - SEND SMS (Input 5 Activated?)
 D08 -

Low Voltage Shutdown System (disconnects power directly from PC at 10v) - used only if computer hasn't shut itself down at 10.8v)



Title		
Size	Number	Revision
A3		
Date:	14/02/2007	Sheet of
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