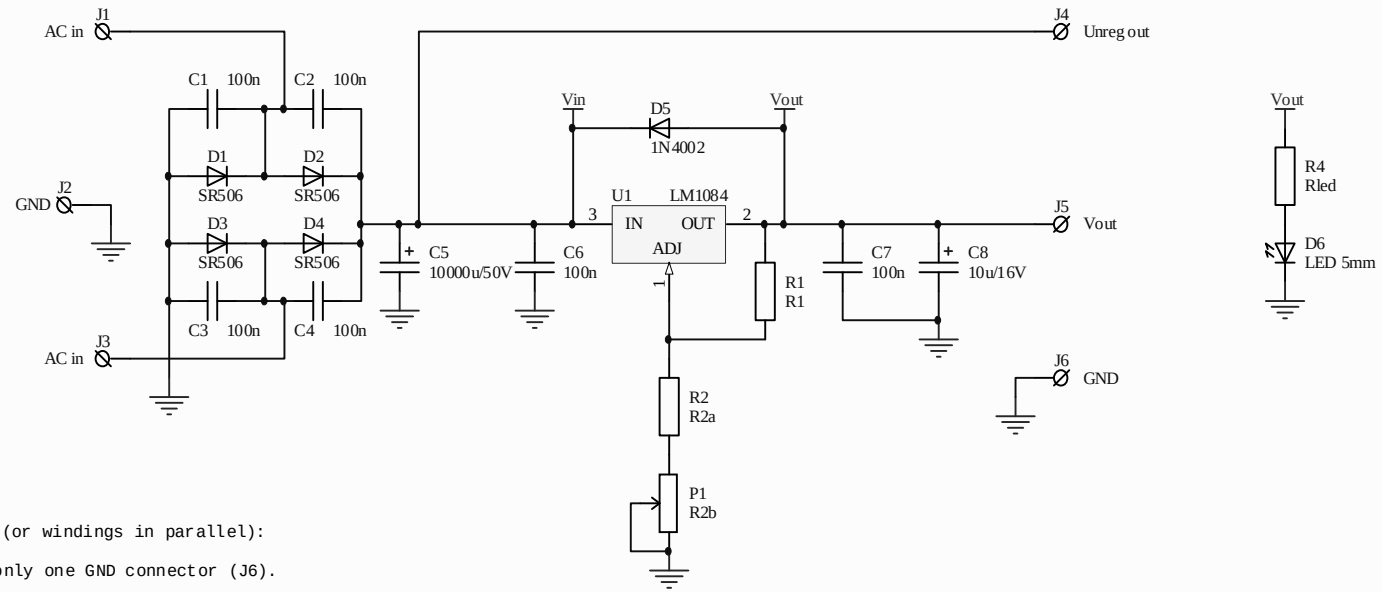

Input options:

1. Transformer output without center tap (or windings in parallel):

Mount all parts as schematics show. Use only one GND connector (J6).

2. Transformer output with center tap (or double windings tied together):

Mount all parts from C5 and up (the regulator section). In the rectifier, exclude following parts: C1 - C4, D1 and D3. Connect center tap to J2. For proper GND, connect load ground to J2 too.

Output voltage calculation:

Vout = 1.25 * (1+ R2/R1)

R2 = R2a + R2b

Elfa product number for 6-pole screw terminal that fits this PCB: 48-362-27

LM1084 could be replaced with any kind of positive adjustable regulator that uses the same pin configuration. That includes the classical LM317 and the LDO version LM1117. The output current will of course be that of the selected regulator.

Title: 5A power regulator		Illuwatar Design 2008 Peter Czidlina	
Size: A4	Number:		Revision:
Date: 2008-02-24		Sheet of	
File: Q:\Protel work\..\PowerReg.SchDoc		Drawn By:	