



- Notes:
1. Q1 needs a large heat sink as it can dissipate up to 20 watts
 2. Alternator field need to be tied to power then driven to graouns. This may require rewiring the brushes.
 3. All resistors except R1 are 1/4 watt.
 4. R1 needs to be 3 watts for 5 amps, 1 watt for 3 amps.

Design by SHDesigns and www.DIY-Welder.com		
Title Linear Welding Controller 0-5A Field current		
Size B	Number	Rev 0
Date	Drawn by S. Henion	
Filename	Sheet of	