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Multi-use HV Board Model: SPARKY-1
      4.6 to 18 Volts
*Circuit is disabled @4.1 volts*
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Designed for 5 volts, tested at 5 & 11.8 volts.
Caps C2 thru C5 are Ceramic.

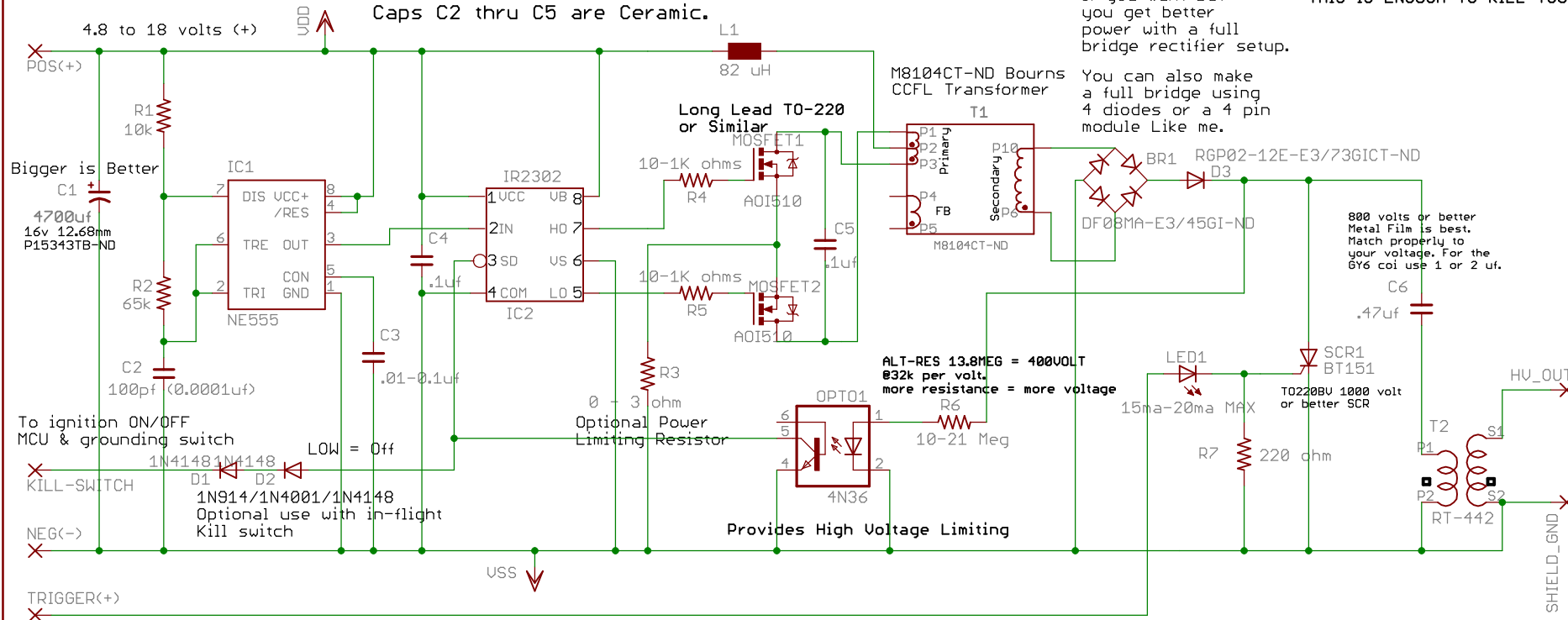
600 volts running
with up to 500 ma
or more at this point.

THIS IS ENOUGH TO KILL YOU

You can use just 1 HV diode  if you want but you get better power with a full bridge rectifier setup.

You can also make a full bridge using 4 diodes or a 4 pin module Like me.

800 volts or better
Metal Film is best.
Match properly to
your voltage. For the
GY6 coi use 1 or 2 uf.



R4 & R5 develop the Gate voltage, so the higher the resistance, the more they are driven. If you go to high of resistance there will not be enough current to drive the Gate. The resistors also limit the gate current or they develop the base BIAS and limit current. The IR2302 H0 pin is in sync with the IN pin, so use a 50% duty cycle from the 555.

Designed by Ray C. Richter
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TITLE: Sparky-1 CDI HV Schematic IR2302-NE555

Document Number:
Multi-use HV Board - Model: Sparky-1

REV: 1.0

Date: not saved!

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