



This output unlatches power to the circuitry at  $< 6V$

This Green LED lights at 7.5V from capacitors

This Blue LED lights at 15V from capacitors

U1 L1 - L10 outputs have 1.5V increasing increments  
L1 goes low at 1.5V, L2 goes low at 3V ETC

The six 500F capacitors have a max rating of 2.7V each

Series Capacitors  $500 / 6 = 83.33\text{F}$

They also have individual 2.7V overvoltage protection circuits.

15.6V @1.5A Voltage and Current limited by buck converter.

### 0.3 Voltage drop across each schottky diode

TITLE: SUPERCAP CHARGER		REV: 1.0
	Company: EXPERIMENTOOL	Sheet: 1/1
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