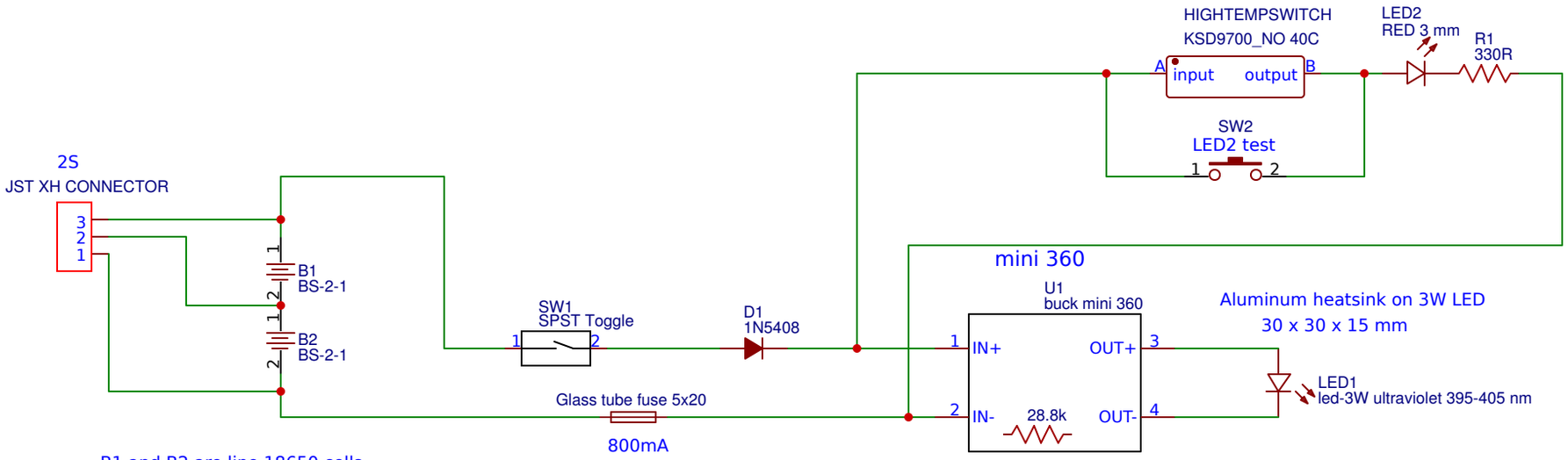
Utilize a 3 watt ultraviolet LED with wavelength of 395 - 405 nm to detect fluorescent rocks

Drive the 3 watt ultraviolet LED with 500 mA instead of max 700 mA.

The lower current will extend the life of the LED and save battery power.

This circuit takes the place of a constant current LED driver

Place high temperatue switch near 3W LED heatsink
High temperature switch set at 40C on rise to close contact
Red LED lights on high temperature
SW2 pushbutton is part of LED2



B1 and B2 are lipo 18650 cells

Charge the 2S cell assembly with lipo charger

Remove erratic potentiometer on the mini 360
Replace pot with fixed 28.8k resistance
Mini 360 will output approx 3.95 V
3.95 V will give the LED around 500 mA current.

TITLE: Ultraviolet LED 3 Watt		REV: 1.0
EasyEDA	Company: Experimentool	Sheet: 1/1
	Date: 2019-02-05 Drawn By: experimentool	