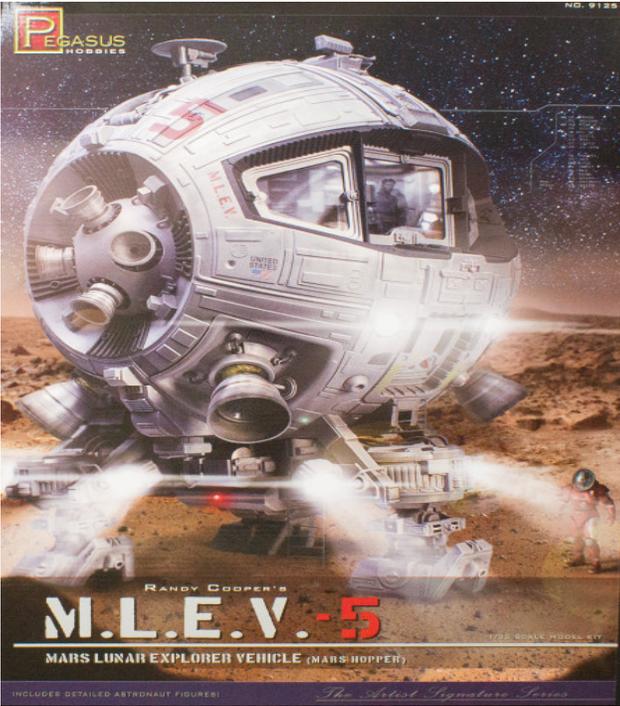
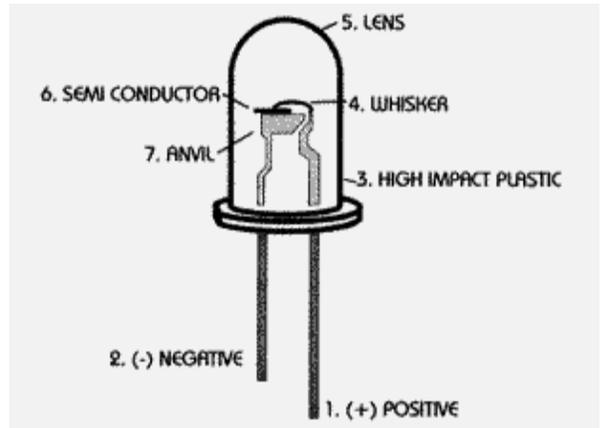


VoodooFX

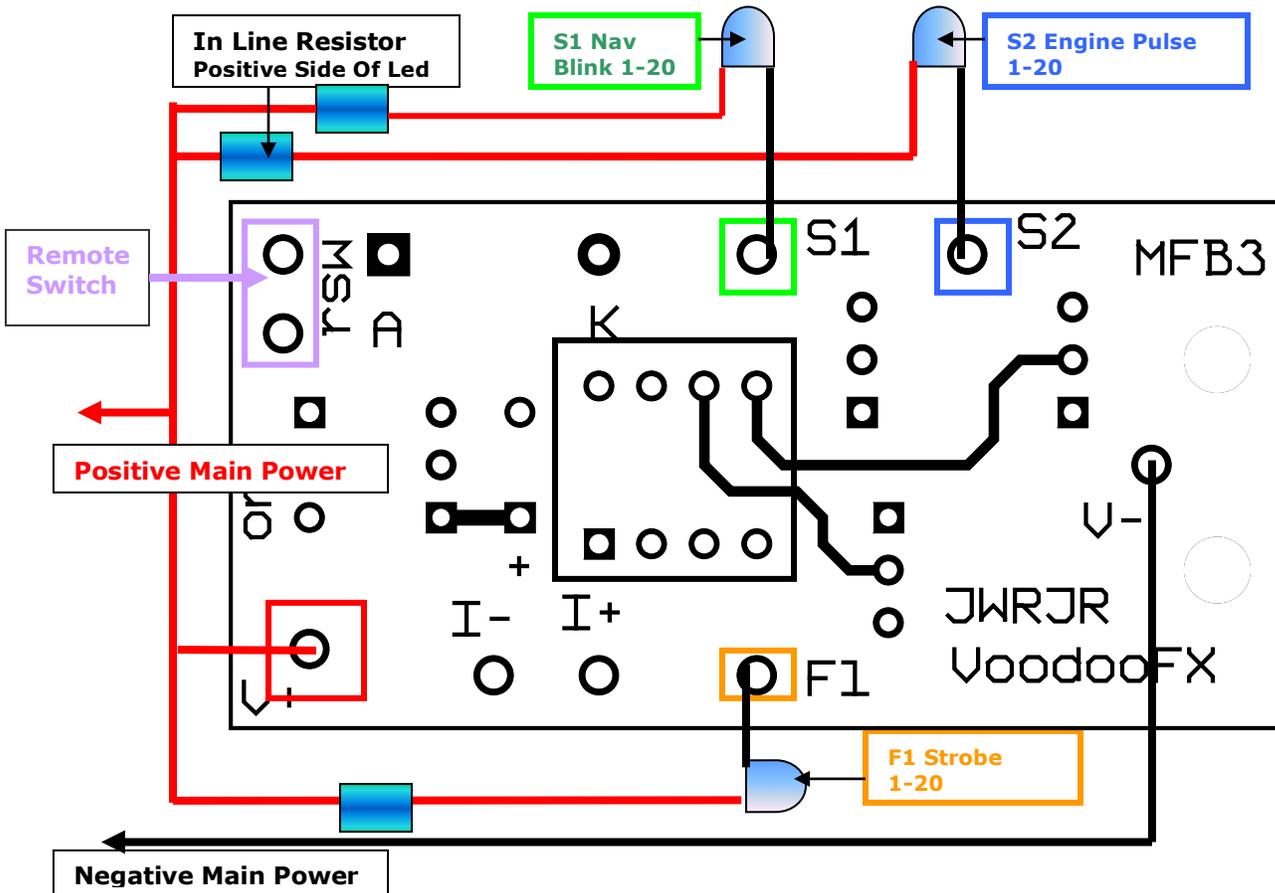
3312 Hoover St, Redwood City, CA 94063
650-568-3400
www.voodooofx.com

General Led Diagram



(Nav/Strobe/Engine LKMF3)

Hi Output Multi Function Board Diagram:



Multi Leds On One Channel Example

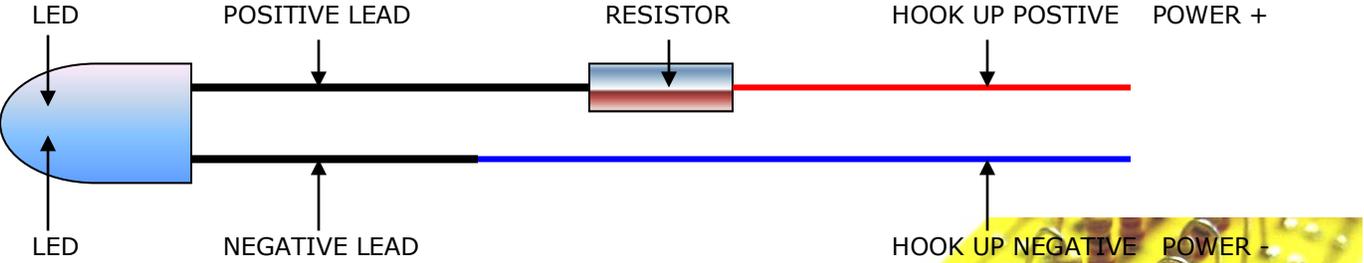


Hi Output Multi Function Operation Instructions Ver 1:

The hi output multi function circuit board is designed around three hi out put channels. Each channel output needs an individual inline resistor to protect each led used, there is a wide range of resistors that can be used: **SAMPLE 220 Ohms gives a very bright effect for the led. SAMPLe 1-K or 1.5-K Ohms will give a dim or soft effect for the led.** The circuit board works of negative signal switching so multi leds can be ganged together off one negative channel up to 20 leds per channel. Circuit board does require its own power to run the chip, **Positive to main power 5-12 volts forward, Negative to main power 5-12 volts forward**

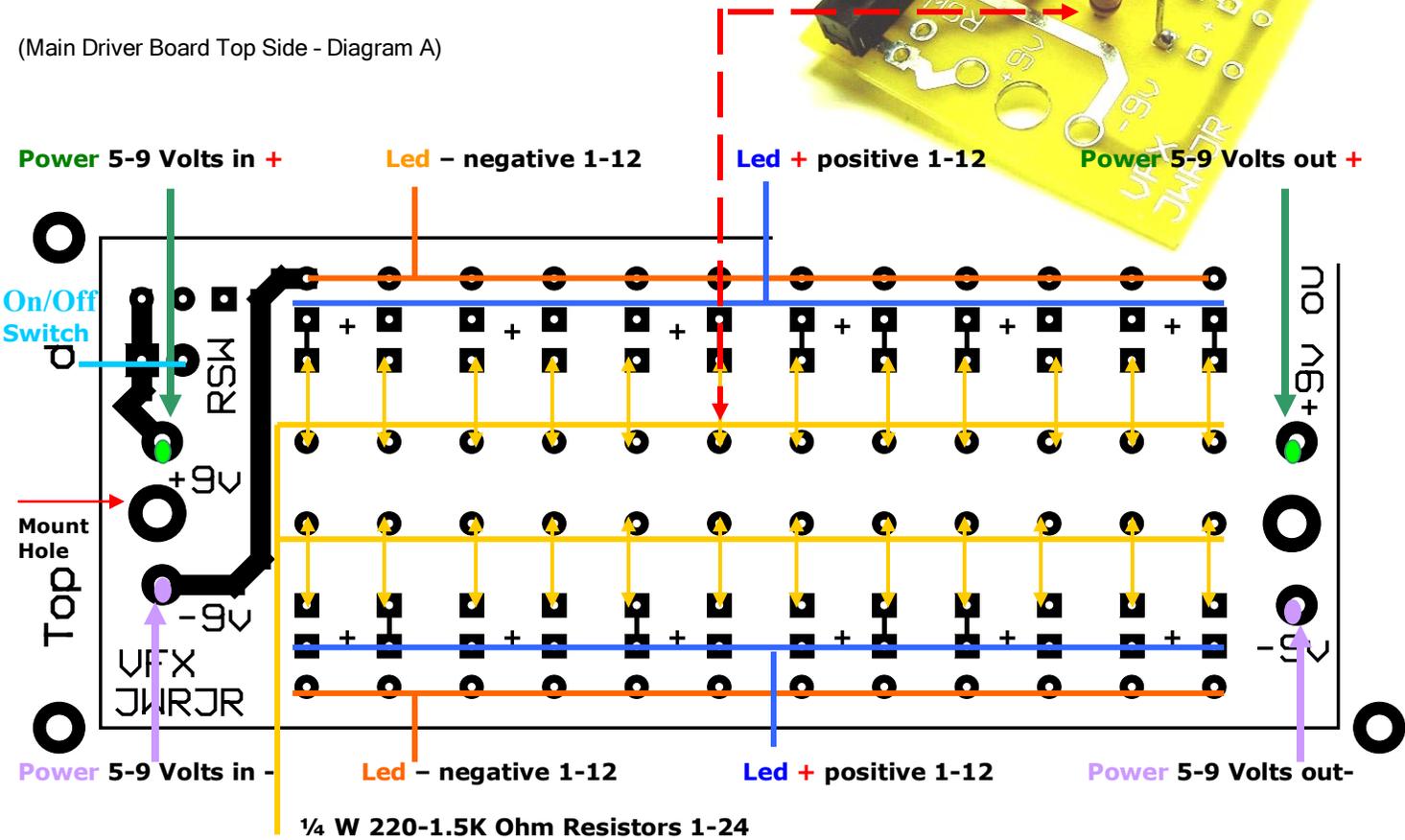
General Instructions For Inline Resistor Hook Up:

Here is the hook up diagram for high output circuit board or direct power hook up. Each separate led will need a resistor in order to prevent overdriving the led, if not protected with a resistor the led will burn out under direct power hook up. Solder all wire connections properly; please study the hook up diagram below and repeat the process for each used led.



(Custom 24 Port Driver Kit 1)

(Main Driver Board Top Side - Diagram A)



General Instructions 24 Port Driver:

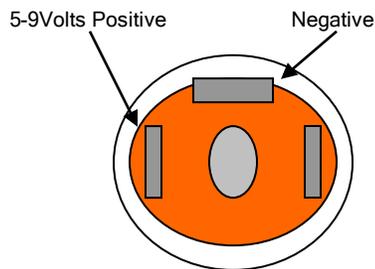
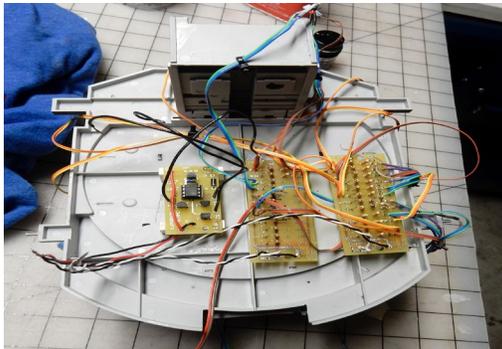
The 24 port driver board is designed for running mainly on lighting. You can use a two styles of resistors to create different led output. Using the 220ohm resistor will give a 100% brightness, Using a 1.5Kohm resistor will give you 40% brightness. By using these two different values of resistors you will be able to create the proper desired effects your looking for in your project.

(How to Make a Wired Led)

- 1- Separate the two wires. Pick what color will be positive+ and what color will be negative-.
- (Example) Lighter color is positive+, darker color is negative-. This will apply to any color, you make the choice.
- 2- Slide on two pieces of shrink tubing 1/8 - 1/4 "long, Slide past area where wire coating will be striped off.
- 3- Strip back the protected coating and expose the bare wire, 1/8 - 1/4" is about enough to wrap around the led leads. Twist bare wire together until it is a tight, stray wire or fray will get in your way later, the tighter the better.
- 4- Wrap wire around led leads and slide forward to led base. Solder and cut off excess leads.
- 5- Slide shrink tubing over soldered wire and led, heat shrink tubing to finish process.



(DC Power Port Hook Up Diagram)



(General On /Off Switch Diagram)

