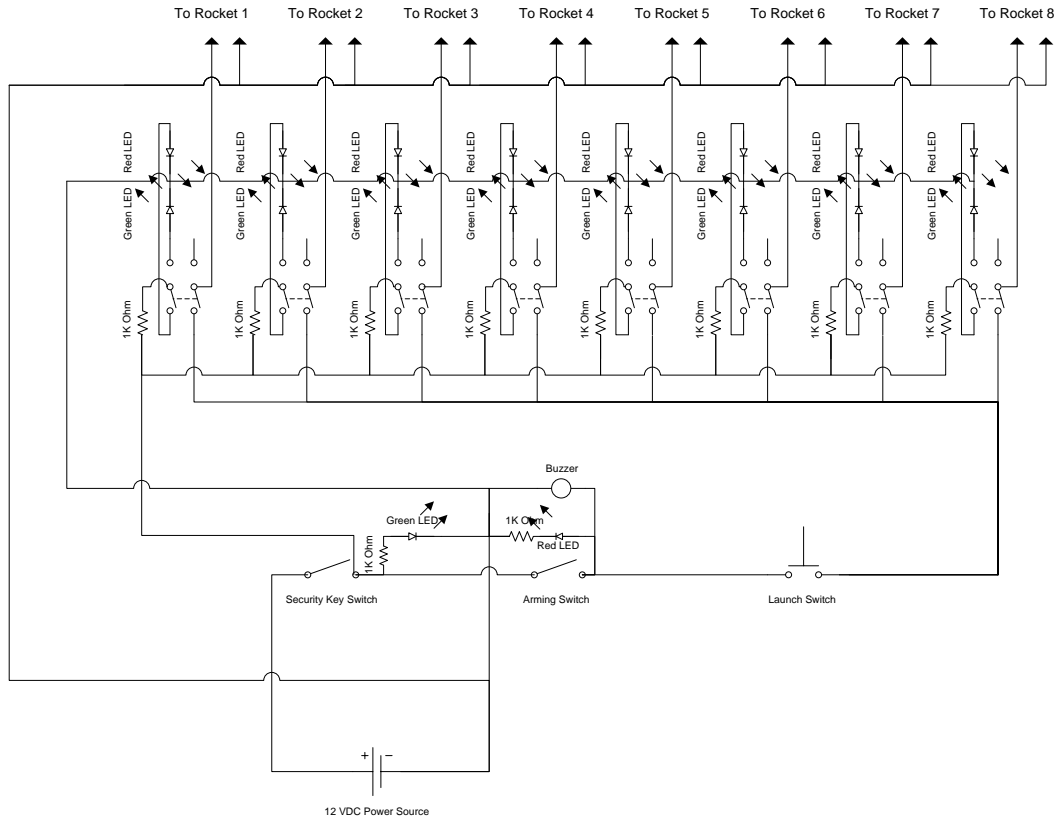


Kevin Cook's AWESOME Model Rocket Launch Controller



Design Notes:

DPDT Switches shown AS WIRED. They look as if down is ARMED and UP is SAFE, but remember, toggle switches short the REVERSE side of their position. When the switch is UP it shorts the BOTTOM.

Options:

By moving all the Green LED's Cathodes (-) to the empty positions on the DPDT switches, you can get continuity checking as well. It does not look as cool if you usually launch 1 at a time though, as only 1 LED will be green (And only when your engine igniter is correctly connected).

Power:

I use a cigarette lighter adapter, but you can use a strong power brick (2+ amps) and my case is large enough to house 12 V rechargeable batteries.

Launch Platform Connectivity:

I used a DB25 Male / Female pair (Parallel Printer Connector) for my connectivity disconnect to the Launch Platform. I needed 16 pins and it has 25, so it had room for further expansion such as a siren / strobe on the launch platform. The Female part is mounted on the project box, and the male part plugs into it with 2 35' runs of 8 conductor Cat 5 wiring going to the Launch Platform, 1 for the first group of 4, and another for the second.

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