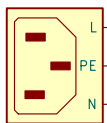


Lead-Acid
14-10Vish
+12V

J1
IEC_60320_C14_Receptacle



TRIG_LAUNCH

Speculate that this signal is:
- normally high-impedance
- 12V with enough current to
trigger relay when ignition
is pressed

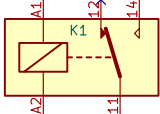
GND

+12V

Flyback Protection

ARM
SW1
SW_SPST

D1
1N4148



Spec for 30A

+12V

+12V

TEST
SW2
SW_Push

R1
1.2k
12V/1.2k = 10mA
Depends on buzzer

BZ1
Buzzer

Active buzzer or I guess
passive with an astable
555 timer works too

IGNITER

J3
Conn_01x02

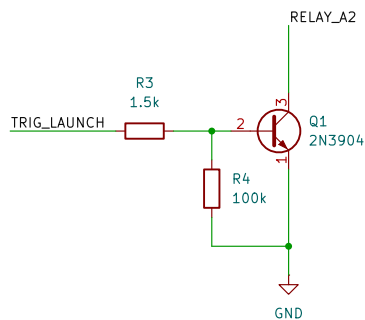
Current consumption reference:
<https://www.privatedata.com/byb/rocketry/ignitor/igniters.pdf>

I really want to limit the current with
a power resistor, but that doesn't seem
to be present in any reference I can
find, so leaving it out. But I would
explore a limiting resistor matched to
battery compliance.

GND

GND

If TRIG_LAUNCH does not provide enough
current to latch relay, then consider
a low-side BJT switch:



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