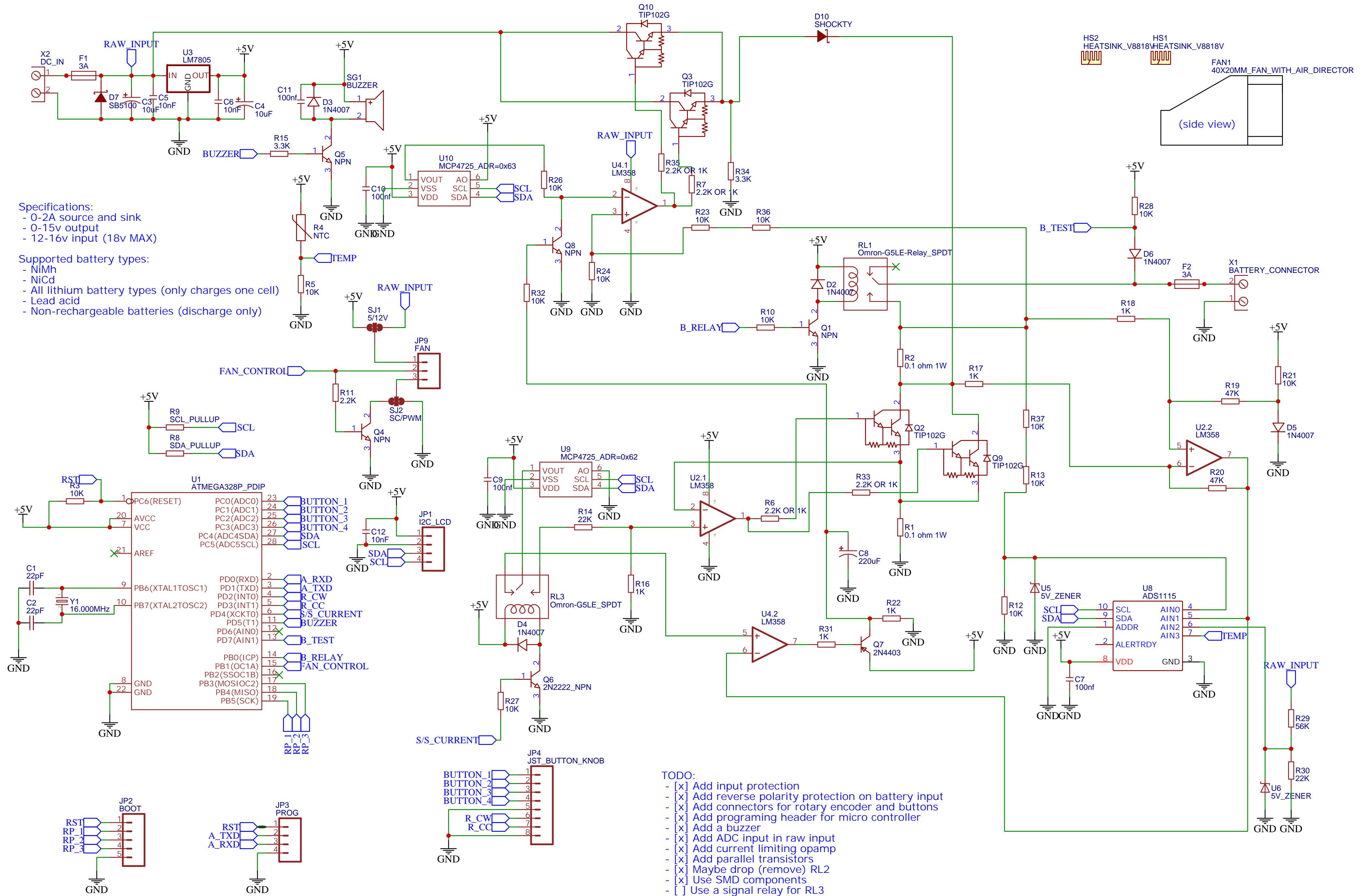


Specifications:
 - 0-2A source and sink
 - 0-15v output
 - 12-16v input (18v MAX)

Supported battery types:
 - NiMh
 - NiCd
 - All lithium battery types (only charges one cell)
 - Lead acid
 - Non-rechargeable batteries (discharge only)



- TODO:
- [x] Add input protection
 - [x] Add reverse polarity protection on battery input
 - [x] Add connectors for rotary encoder and buttons
 - [x] Add programing header for micro controller
 - [x] Add a buzzer
 - [x] Add ADC input in raw input
 - [x] Add current limiting opamp
 - [x] Add parallel transistors
 - [x] Maybe drop (remove) RL2
 - [x] Use SMD components
 - [] Use a signal relay for RL3

Leave BOOT header unpopulated

TITLE: MCBAC SCHEMATIC		REV: 1.1
EasyEDA	Company: Hobbyist	Sheet: 1/1
	Date: 2020-03-10	Drawn By: WestleyR