

Microcontroller

Pins in **BOLD** are interrupt-capable and will not collide with one another

Interrupt Allocation

INT00 - PB02 - BTN_ENC
INT01 - PB02 - BTN_ENC
INT02 - PB02 - BTN_ENC2
INT03 -
INT04 - PC00 - KILL
INT05 -
INT06 - SPI_SCK
INT07 - PB07 - BTN_ENC
INT08 - PD00 - Y-MAX
INT09 - PD00 - Z-MIN
INT10 - PD00 - Z-MAX
INT11 - PB12 - X-MIN
INT12 - PB12 - X-MAX
INT13 - PB13 - X-MAX
INT14 -
INT15 - PB15 - Y-MIN

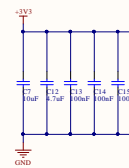
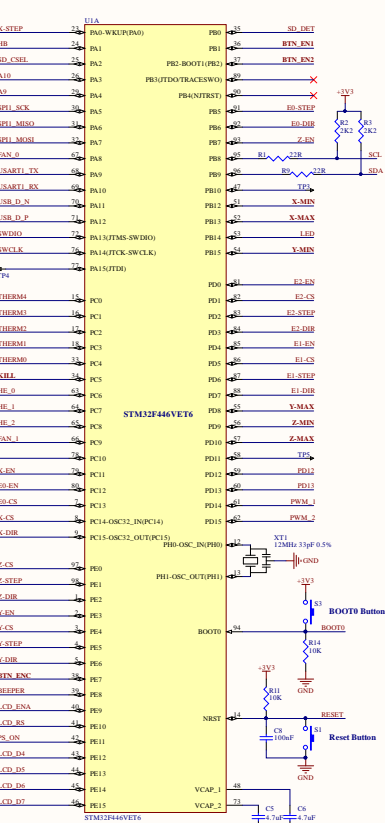
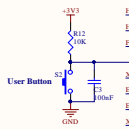
ADC Allocation

THERM0 - ADC12_IN14
THERM1 - ADC12_IN13
THERM2 - ADC12_IN12
THERM3 - ADC12_IN11
THERM4 - ADC12_IN10
AN - ADC12_IN4
A10 - ADC12_IN3

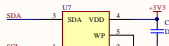
Reserved Pin

The following pins initiate alternate functions with pull-up/pull-down on reset, and should be avoided in GPIO if possible:

Pin - Reset Behaviour
PA15 - pull-up
PA14 - pull-down
PA13 - pull-up
PB4 - pull-up
PB3 - floating



EEPROM

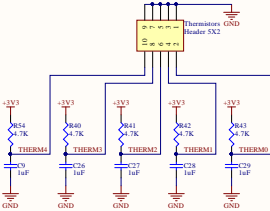


Aus3D
GPLv3
aus3d.com.au/rumba32
github.com/Aus3D/RUMBA32

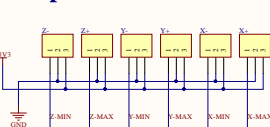
Original RUMBA design by RepRapDiscount.com
Updated to RUMBA32 by Chris Barr for Aus3D
See the GitHub page for changelist

Date: 13/10/2019 REV: 1.0E

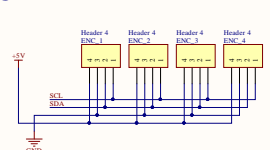
Thermistors



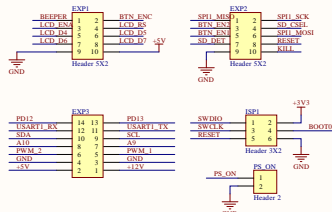
Endstops



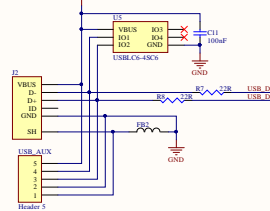
I2C



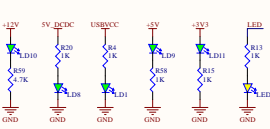
Auxiliary IO



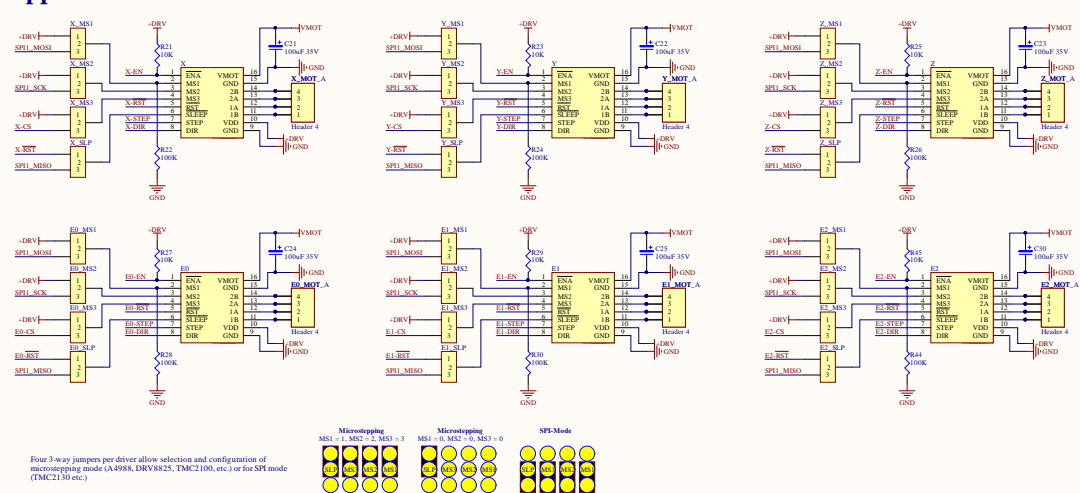
USB



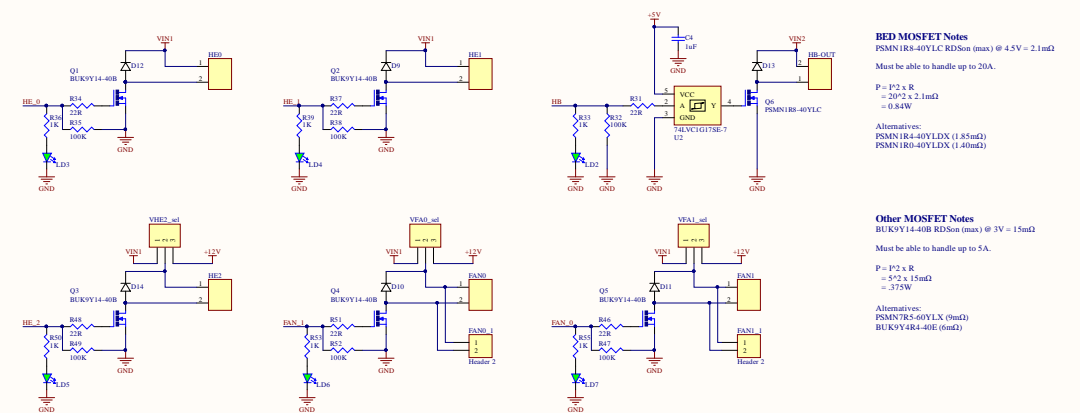
LEDs



Stepper Drivers



MOSFET Outputs



Power

