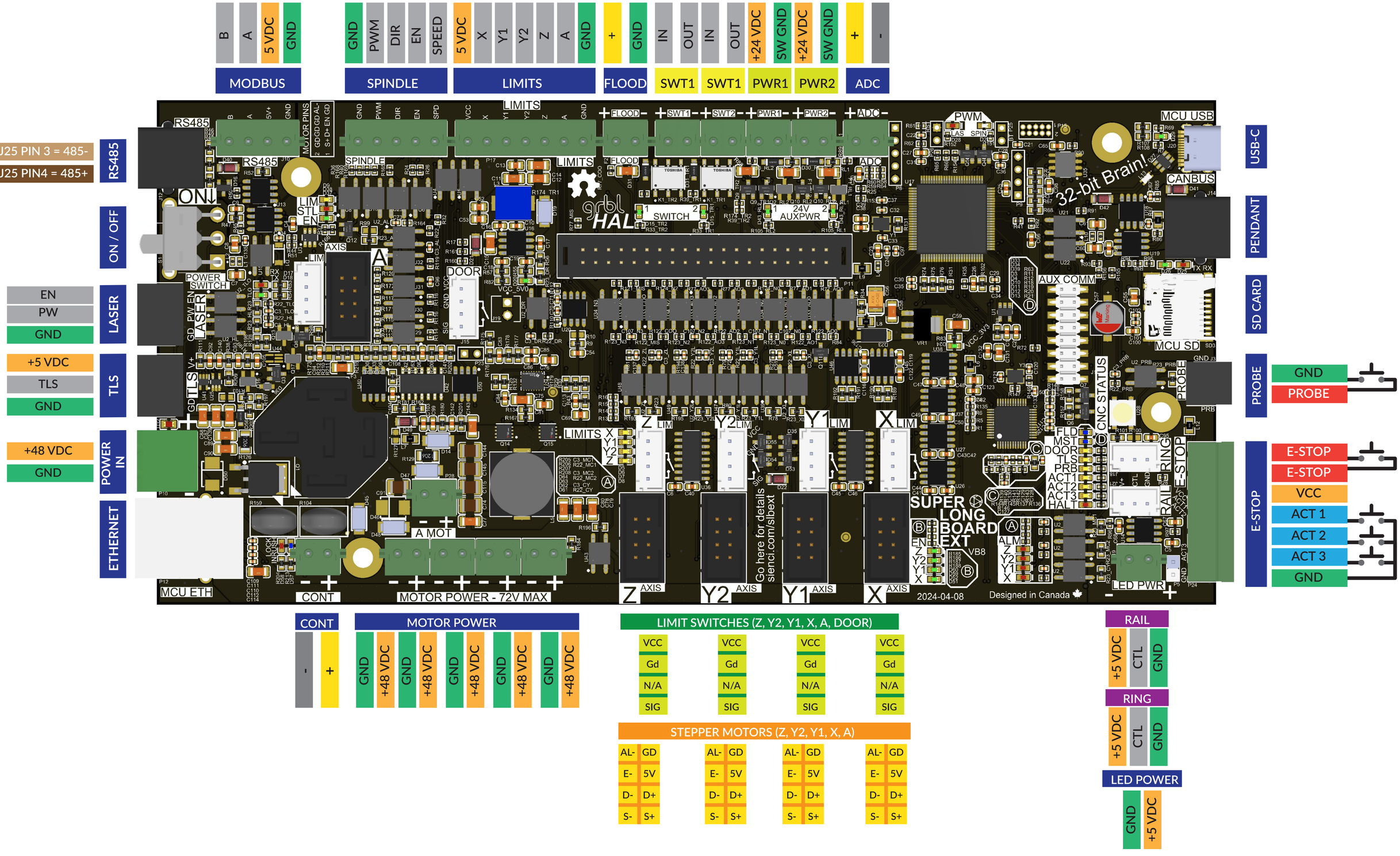
MODBUS
B
A
5 VDC
GND
SPINDLE
GND
PWM
DIR
EN
SPEED
LIMITS
5 VDC
X
Y1
Y2
Z
A
GND
FLOOD
+
GND
SWT1
IN
OUT
SWT2
IN
OUT
PWR1
+24 VDC
SW GND
PWR2
+24 VDC
SW GND
ADC
+
-
RS485
RJ25 PIN 3 = 485-
RJ25 PIN4 = 485+
ON / OFF
EN
PW
GND
LASER
+5 VDC
TLS
GND
TLS
+48 VDC
GND
POWER IN
ETHERNET
USB-C
PENDANT
SD CARD
PROBE
GND
PROBE
E-STOP
E-STOP
VCC
ACT 1
ACT 2
ACT 3
GND
E-STOP
CONT
-
+
MOTOR POWER
GND
+48 VDC
GND
+48 VDC
GND
+48 VDC
GND
+48 VDC
GND
+48 VDC
LIMIT SWITCHES (Z, Y2, Y1, X, A, DOOR)
VCC
Gd
N/A
SIG
VCC
Gd
N/A
SIG
VCC
Gd
N/A
SIG
VCC
Gd
N/A
SIG
STEPPER MOTORS (Z, Y2, Y1, X, A)
AL- GD
E- 5V
D- D+
S- S+
AL- GD
E- 5V
D- D+
S- S+
AL- GD
E- 5V
D- D+
S- S+
AL- GD
E- 5V
D- D+
S- S+
RAIL
+5 VDC
CTL
GND
RING
+5 VDC
CTL
GND
LED POWER
GND
+5 VDC
RS485
ON
POWER SWITCH
LASER
TLS
MOTOR PINS
SPINDLE
LIMITS
FLOOD
SWITCH
AUXPWR
ADC
PWM
MCU USB
32-bit Brain!
CANBUS
AUX COMM
MCU SD
PROBE
CNC STATUS
RAIL
RING
E-STOP
LED PWR
AXIS
DOOR
A MOT
MCU ETH
CONT
MOTOR POWER - 72V MAX
Z AXIS
Y2 AXIS
Y1 AXIS
X AXIS
SUPER LONG BOARD EXT
VB8
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