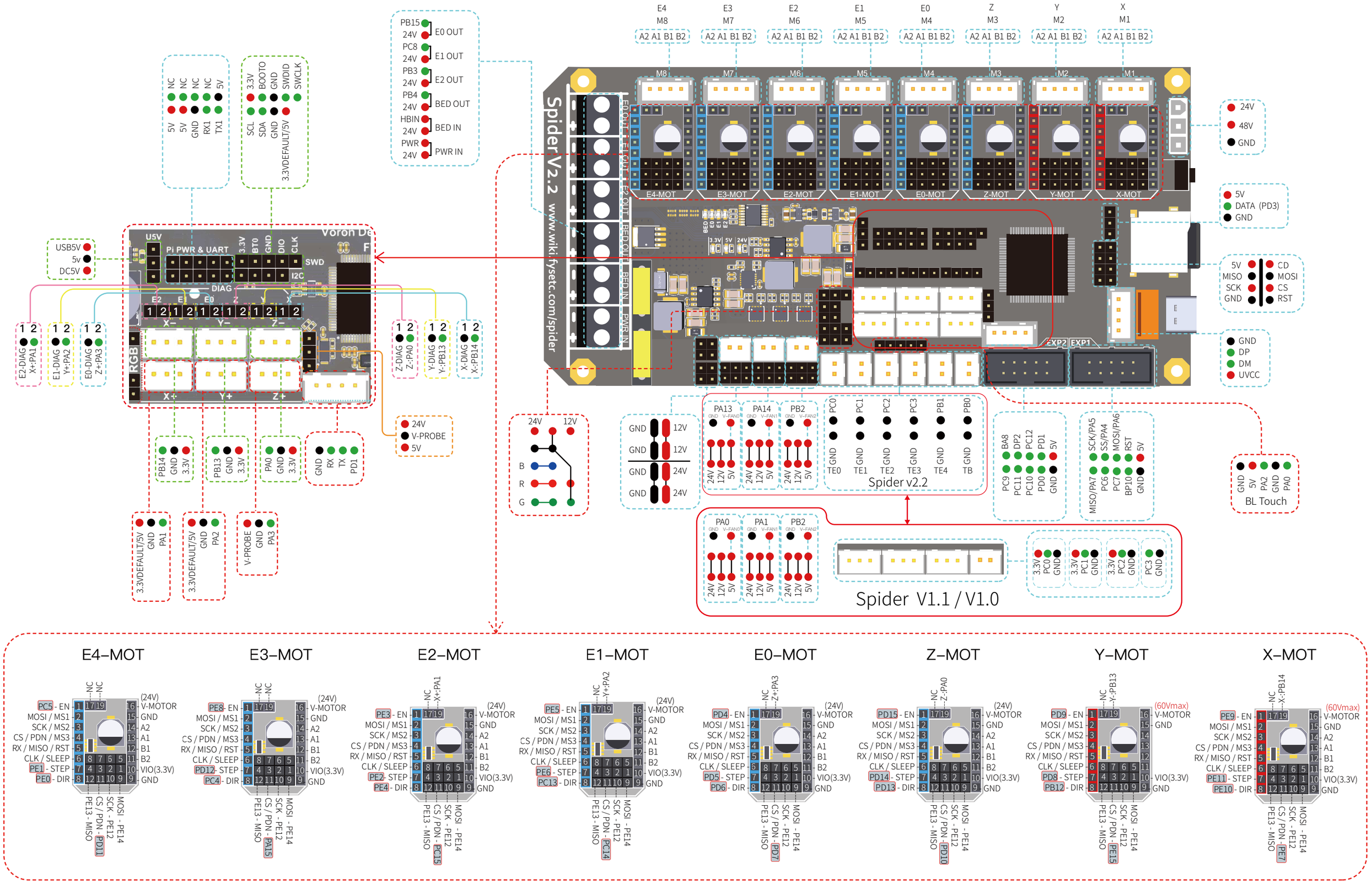
SpiderV2.2
www.wiki.fysetc.com/spider
E4 M8
E3 M7
E2 M6
E1 M5
E0 M4
Z M3
Y M2
X M1
A2 A1 B1 B2
E4-MOT
E3-MOT
E2-MOT
E1-MOT
E0-MOT
Z-MOT
Y-MOT
X-MOT
PB15 24V E0 OUT
PC8 24V E1 OUT
PB3 24V E2 OUT
PB4 24V BED OUT
HBIN 24V BED IN
PWR 24V PWR IN
NC NC NC NC 5V
5V 5V GND RX1 TX1
3.3V BOOTO GND SWDIO SWCLK
SCL SDA GND 3.3VDEFAULT/5V
24V 48V GND
5V DATA (PD3) GND
5V MISO SCK GND
CD MOSI CS RST
GND DP DM UVCC
USB5V 5V DC5V
U5V
Pi PWR & UART
3.3V BT0 GND DIO CLK
SWD
I2C
DIAG
E2 E1 E0 Z Y X
X- Y- Z-
X+ Y+ Z+
RGB
E2-DIAG X+:PA1
E1-DIAG Y+:PA2
E0-DIAG Z+:PA3
Z-DIAG Z-:PA0
Y-DIAG Y-:PB13
X-DIAG X-:PB14
PB14 GND 3.3V
PB13 GND 3.3V
PA0 GND 3.3V
GND RX TX PD1
3.3VDEFAULT/5V GND PA1
3.3VDEFAULT/5V GND PA2
V-PROBE GND PA3
24V V-PROBE 5V
24V 12V
B R G
GND 12V
GND 12V
GND 24V
GND 24V
PA13 PA14 PB2
GND V-FAN0 GND V-FAN1 GND V-FAN2
24V 12V 5V
PC0 PC1 PC2 PC3 PB1 PB0
GND TE0 GND TE1 GND TE2 GND TE3 GND TE4 GND TB
Spider v2.2
BA8 DP2 PC12 PD1 5V
PC9 PC11 PC10 PD0 GND
SCK/PA5 SS/PA4 MOSI/PA6 RST 5V
MISO/PA7 PC6 PC7 BP10 GND
GND 5V PA2 GND PA0
BL Touch
PA0 PA1 PB2
3.3V PC0 GND
3.3V PC1 GND
3.3V PC2 GND
PC3 GND
Spider V1.1 / V1.0
E4–MOT
E3–MOT
E2–MOT
E1–MOT
E0–MOT
Z–MOT
Y–MOT
X–MOT
NC
X+:PA1
Y+:PA2
Z+:PA3
Z-:PA0
Y-:PB13
X-:PB14
(24V)
(60Vmax)
V-MOTOR
GND
A2
A1
B1
B2
VIO(3.3V)
PC5 - EN
MOSI / MS1
SCK / MS2
CS / PDN / MS3
RX / MISO / RST
CLK / SLEEP
PE1 - STEP
PE0 - DIR
PE13 - MISO
PD11
SCK - PE12
MOSI - PE14
PE8 - EN
PD12 - STEP
PC4 - DIR
PA15
PE3 - EN
PE2 - STEP
PE4 - DIR
PC15
PE5 - EN
PE6 - STEP
PC13 - DIR
PC14
PD4 - EN
PD5 - STEP
PD6 - DIR
PD7
PD15 - EN
PD14 - STEP
PD13 - DIR
PD10
PD9 - EN
PD8 - STEP
PB12 - DIR
PE15
PE9 - EN
PE11 - STEP
PE10 - DIR
PE7