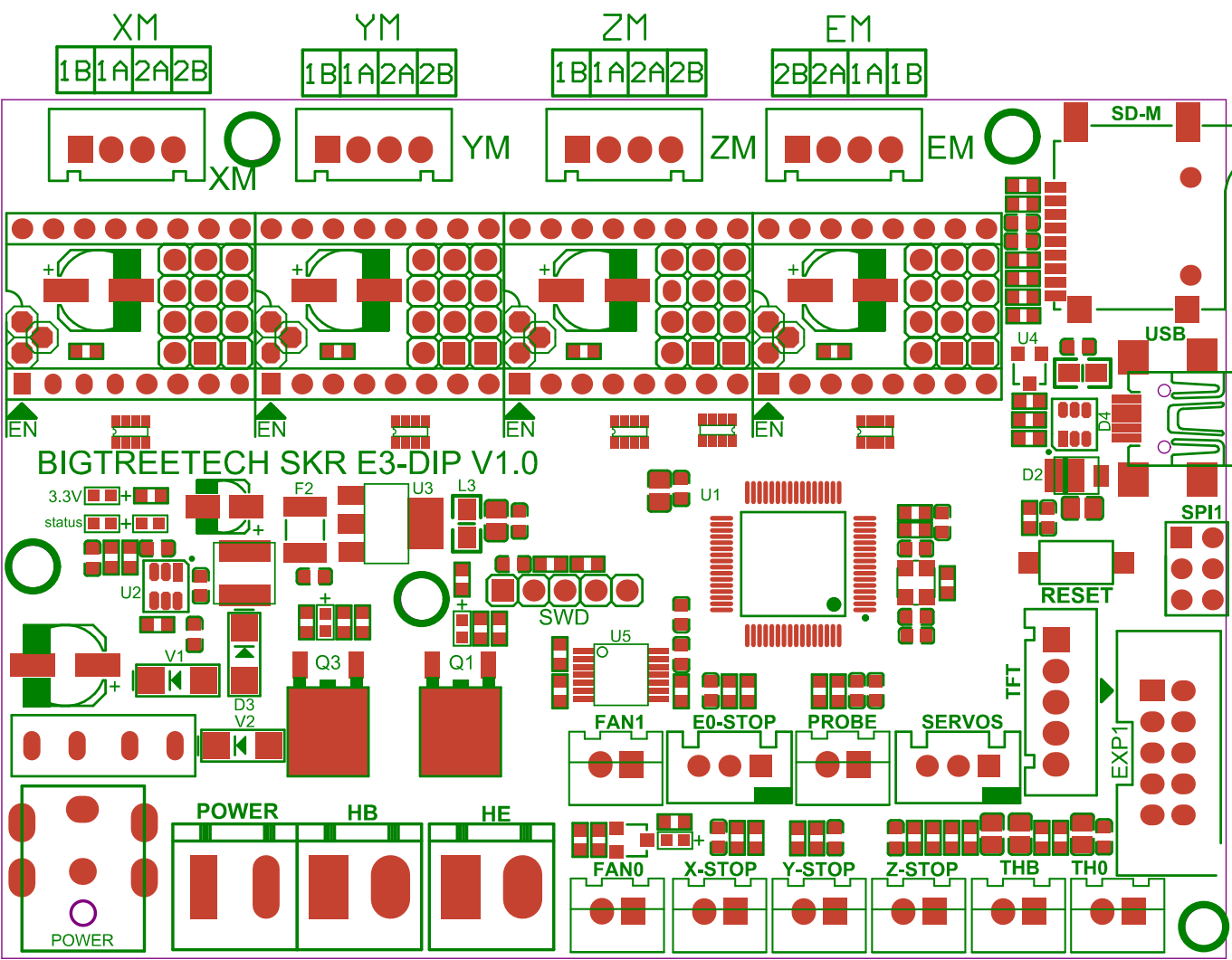


BIGTREETECH SKR-E3-DIP-V1.0-PIN

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Motor Driver

| EN | STEP | DIR | CS | |
|------|------|------|------|----|
| PC7 | PC6 | PB15 | PC10 | X |
| PB14 | PB13 | PB12 | PC11 | Y |
| PB11 | PB10 | PB2 | PC12 | Z |
| PB1 | PB0 | PC5 | PD2 | E0 |

MotorSPI

| | |
|-----|-------|
| PB5 | MOSI3 |
| PB3 | SCK3 |
| PB4 | MISO3 |

USB

| | |
|------|----|
| PA12 | D+ |
| PA11 | D- |

MINI-SD

| | |
|-----|------|
| PA4 | SSEL |
| PA7 | MOSI |
| PA5 | SCK |
| PA6 | MISO |
| PC4 | DET |

SPI1

| | |
|------|------|
| MISO | +5V |
| SCK | MOSI |
| RST | GND |

TFT

| | |
|-----|------|
| PA4 | SSEL |
| PA7 | MOSI |
| PA5 | SCK |
| PA6 | MISO |
| PC4 | DET |

EXP1

| | |
|------|-----|
| PA15 | PB6 |
| PA9 | RST |
| PA10 | PB9 |
| PB8 | PB7 |
| GND | +5V |

| | | | | | | | | | | | | | | | | |
|--------|-------|-----|--------|---------|--------|--------|--------|--------|-----|-----|-----|------|-----|-----|-----|-----|
| 12/24V | GND | PC9 | 12/24V | PC8 | 12/24V | 12/24V | GND | GND | PC2 | +5V | GND | PC14 | PA1 | GND | +5V | |
| POWER | BED | HEO | FAN1 | E0-STOP | PROBE | SERVOs | | | | | | | | | | |
| 3.3V | SWDIO | GND | SWCLK | RST | 12/24V | PA8 | GND | PC1 | GND | PC0 | GND | PC15 | GND | PC3 | GND | PA0 |
| | | | | | FAN0 | X-STOP | Y-STOP | Z-STOP | THB | TH0 | | | | | | |

POWER

SWD