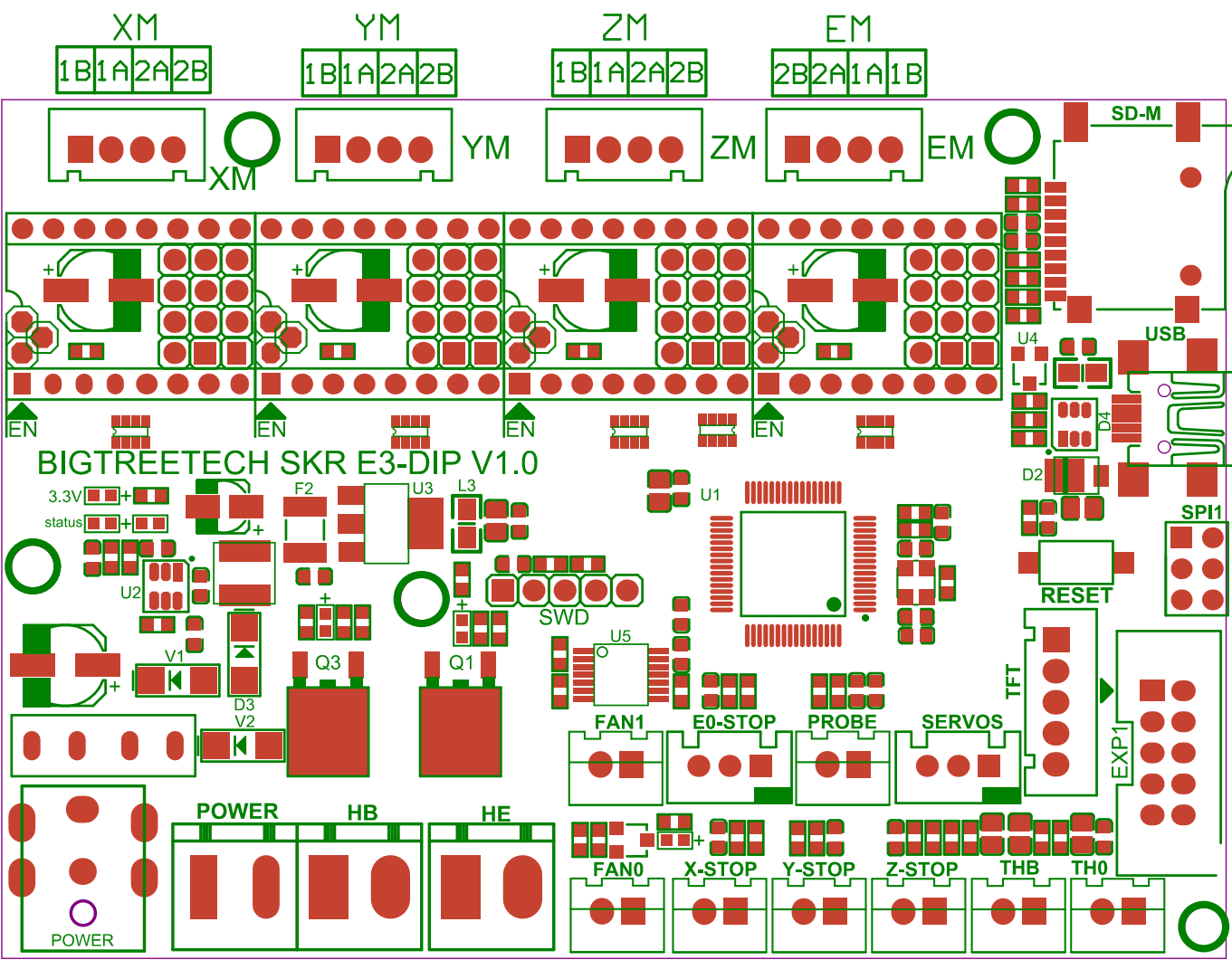


# BIGTREETECH SKR-E3-DIP-V1.0-PIN

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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

|     |
|-----|
| RST |
| RX2 |
| TX2 |
| GND |
| +5V |

## 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 |     |      |     |     |     |     |
| 12/24V | GND | 3.3V | SWDIO  | GND | SWCLK  | RST    | 12/24V | PA8     | GND | PC1    | GND | PC0    | GND | PC15 | GND | PC3 | GND | PA0 |
|        |     | SWD  |        |     |        | FAN0   |        | X-STOP  |     | Y-STOP |     | Z-STOP |     | THB  |     | TH0 |     |     |
| POWER  |     | SWD  |        |     |        | FAN0   |        | X-STOP  |     | Y-STOP |     | Z-STOP |     | THB  |     | TH0 |     |     |

POWER SWD