

### Klipper Building Options for BTT SKR PICO V1.0:

Enable extra low-level configuration options

```

Micro-controller Architecture (Raspberry Pi RP2040) --->
Communication interface (USB) --->
USB ids --->
GPIO pins to set at micro-controller startup
  
```

The "make flash" command does not work on the SKR PICO. Instead, after running "make", do the following:

1. Insert a jumper on the Boot pins of "BOOT Header" for the motherboard and click the Reset button to enter "flash" mode (Note: If you want to use the USB to power the motherboard, you need to insert a jumper on "SW\_USB" header. When there is 12V / 24V power supply, it is best to remove the jumper from "SW\_USB" header).
2. Connect USB-C to your computer, then you will see a USB flash drive named "RPI-PR2", copy "/out/klipper.uf2" (compiled by yourself) to the USB flash drive, the motherboard will automatically reboot and update the firmware. If the computer re-identifies "RPI-PR2" USB flash drive, it means the firmware update is complete, unplug the boot jumper and click the Reset button to enter normal working mode.

### Select Proximity Switch I/O PIN

**P\_S** is set to **IO22**

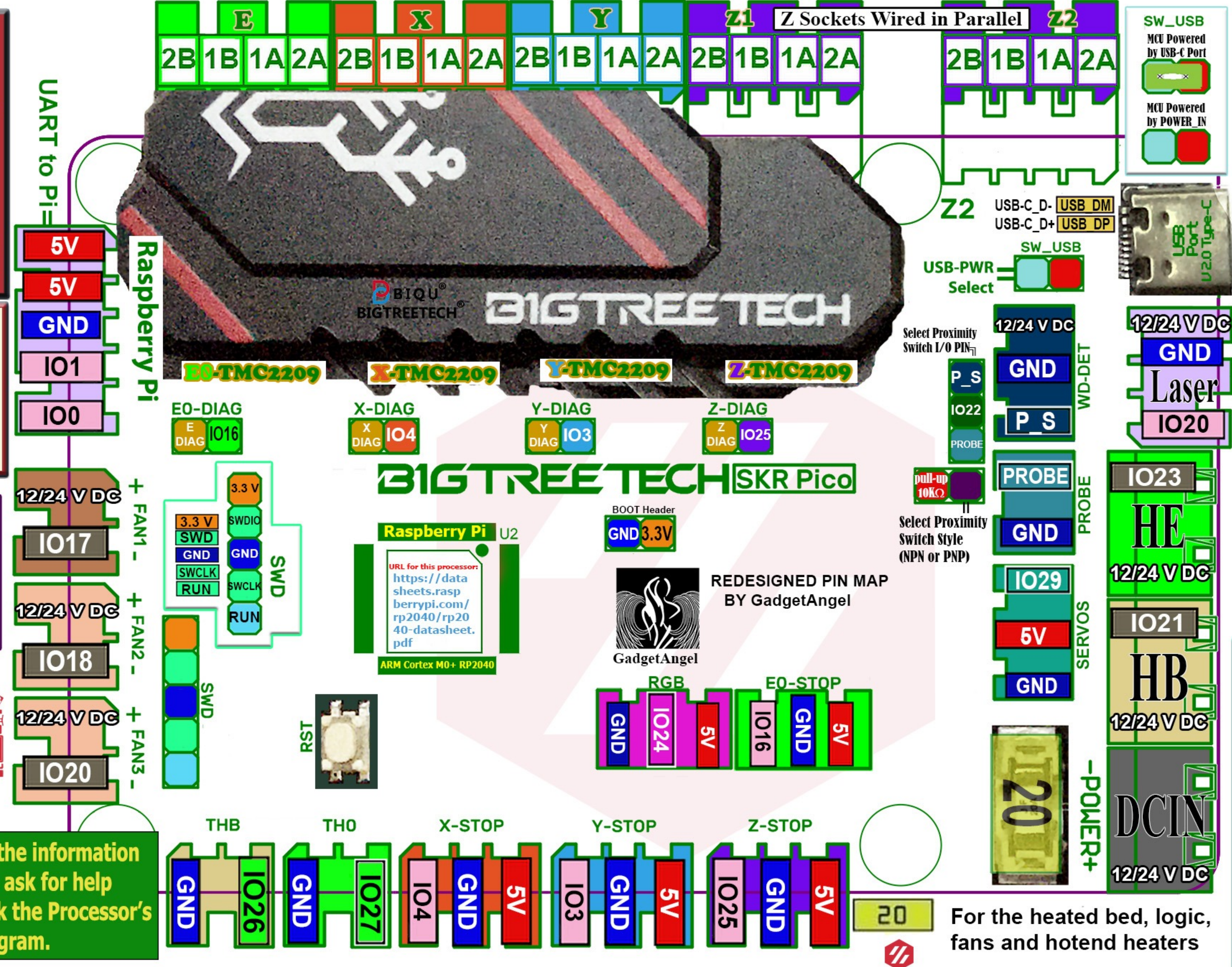
**PROBE** is set to **IO22**

### Select Proximity Switch Style

**NPN Style**

**PNP Style**

**Note:** If you are unsure about any of the information provided on this PIN Diagram, please ask for help from the 3D printer community, check the Processor's data sheet and board's schematic diagram.



	EN	STEP	DIR
X	IO12	IO11	IO10
Y	IO7	IO6	IO5
Z	IO2	IO19	IO28
E	IO15	IO14	IO13

### STALLGUARD (Sensor-less Homing)

	DIAG PIN	ENDSTOP
X	X-DIAG	IO4 X-STOP
Y	Y-DIAG	IO3 Y-STOP
Z	Z-DIAG	IO25 Z-STOP
E	E0-DIAG	IO16 E0-STOP

### MOTOR UART

RX	IO9
TX	IO8

**Note:** the address of each stepper motor driver is hardwired via MS1 and MS2 pins (i.e., chip select (CS) line is not required))