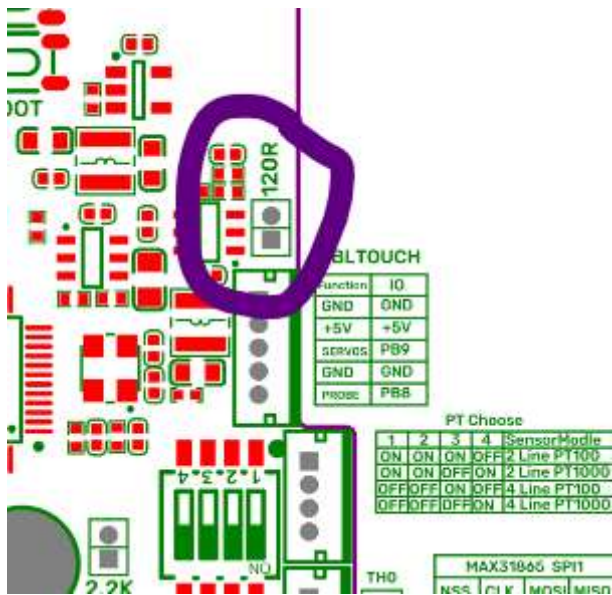


[Toolhead Flashing](#) / [Common Toolhead Hardware](#) / BigTreeTech SB2209 and SB2240

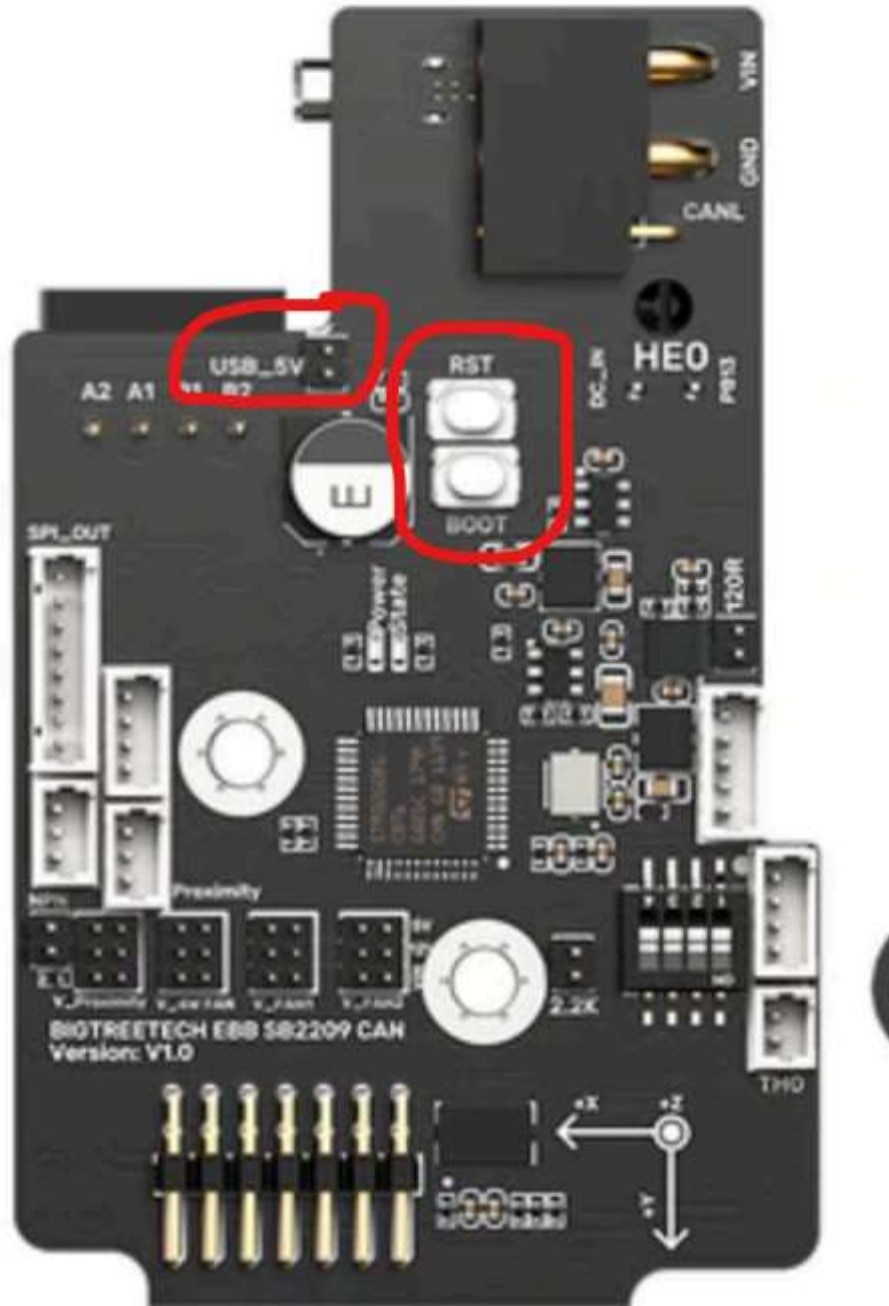
120 ohm Termination Resistor

The header for the 120R termination resistor is circled in purple



DFU mode

- 1 Add a jumper as shown in the image below so the board can be powered via a USB connection



- 2 Connect your device to your Pi via USB
- 3 Press and hold the **RESET** and **BOOT** buttons down (button locations shown in step 1)
 - a Release **RESET** button
 - b Release **BOOT** button
- 4 The device should now be in DFU mode. Verify this via the `lsusb` command, which should look something like this:

Bus 001 Device 005: ID 0483:df11 STMicroelectronics STM Device in DFU Mode

Katapult Config

```
CanBoot Configuration v8.8.1-41-gfffd8ac6
Micro-controller Architecture (STMicroelectronics STM32) --->
Processor model (STM32G0B1) --->
Build CanBoot deployment application (8KiB bootloader) --->
Clock Reference (8 MHz crystal) --->
Communication interface (CAN bus (on PB0/PB1)) --->
Application start offset (8KiB offset) --->
(1000000) CAN bus speed
() GPIO pins to set on bootloader entry
[*] Support bootloader entry on rapid double click of reset button
[ ] Enable bootloader entry on button (or gpio) state
[*] Enable Status LED
(PA13) Status LED GPIO Pin
```

Klipper Config

```
Klipper Firmware Configuration
[*] Enable extra low-level configuration options
Micro-controller Architecture (STMicroelectronics STM32) --->
Processor model (STM32G0B1) --->
Bootloader offset (8KiB bootloader) --->
Clock Reference (8 MHz crystal) --->
Communication interface (CAN bus (on PB0/PB1)) --->
(1000000) CAN bus speed
() GPIO pins to set at micro-controller startup
```

Sample Configuration

A sample configuration file can be found at

https://github.com/bigtreotech/EBB/tree/master/EBB%20SB2240_2209%20CAN

