



Klipper Building Options for **BTT SKR MINI E3 V1.2:**

```
(Top) Klipper Firmware Configuration
[*] Enable extra low-level configuration options
    Micro-controller Architecture (STMicroelectronics STM32) --->
    Processor model (STM32F103) --->
[ ] Disable SWD at startup (for GigaDevice stm32f103 clones) (NEW)
    Bootloader offset (28KiB bootloader) --->
    Clock Reference (8 MHz crystal) --->
    Communication interface (USB (on PA11/PA12)) --->
    USB ids --->
(!PC13) GPIO pins to set at micro-controller startup

*1 select "Enable extra low-level configuration options" and configure "GPIO
pins to set at micro-controller startup" to "!PC13".
```

The "make flash" command does not work on the SKR mini E3. Instead, after running "make", copy the generated "out/klipper.bin" file to a file named "firmware.bin" on an SD card and then restart the SKR mini E3 with that SD card.

Marlin 2.0.x Firmware Changes

In Platformio.ini file
change: default envs =

In Configuration.h file change:
#define SERIAL_PORT -1
#define SERIAL_PORT 22

```
#define MOTHERBOARD  
    BOARD_BTT_SKR_MINI_E3_V1_2
```

Note: Serial Port definitions in Marlin 2.0.x for this Board:
-1: USB Port: 2: TFT Port:

Micro SD Card Reader

SSEL	PA4
MOSI	PA7
SCK	PA5
MISO	PA6
DET	PC4

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.

