



Klipper Building Options for BTT SKR MINI E3 V3.0:

```
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  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 (USB (on PA11/PA12)) --->
  USB ids --->
  () GPIO pins to set at micro-controller startup

  [Space/Enter] Toggle/enter  [?] Help  [/] Search
  [Q] Quit (prompts for save)  [ESC] Leave menu
```

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 = STM32G0B1RE_btt`

In Configuration.h file change:
`#define SERIAL_PORT -1`
`#define SERIAL_PORT_2 2`
`#define MOTHERBOARD BOARD_BTT_SKR_MINI_E3_V3_0`

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

Micro SD Card Reader

NSS	PA4
MOSI	PA7
CLK	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.

