



```
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Klipper Firmware Configuration
[*] Enable extra low-level configuration options
Micro-controller Architecture (STMicroelectronics STM32)
Processor model (STM32F103) --->
Bootloader offset (28KiB bootloader) --->
Clock Reference (8 MHz crystal) --->
Communication interface (USB (on PA11/PA12)) --->
USB ids --->
[ ] Specify a custom step pulse duration
[*PA14] 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 "I PA14".

[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 =**

STM32F103RC btt maple

In Configuration.h file change:

```
#define SERIAL_PORT -1
```

```
#define SERIAL_PORT_2 2
#define MOTHERBOARD
BOARD BTT SKR MINI E3 V2 0
```

Note: Serial Port definitions in Marlin 2.0.x for this Board:

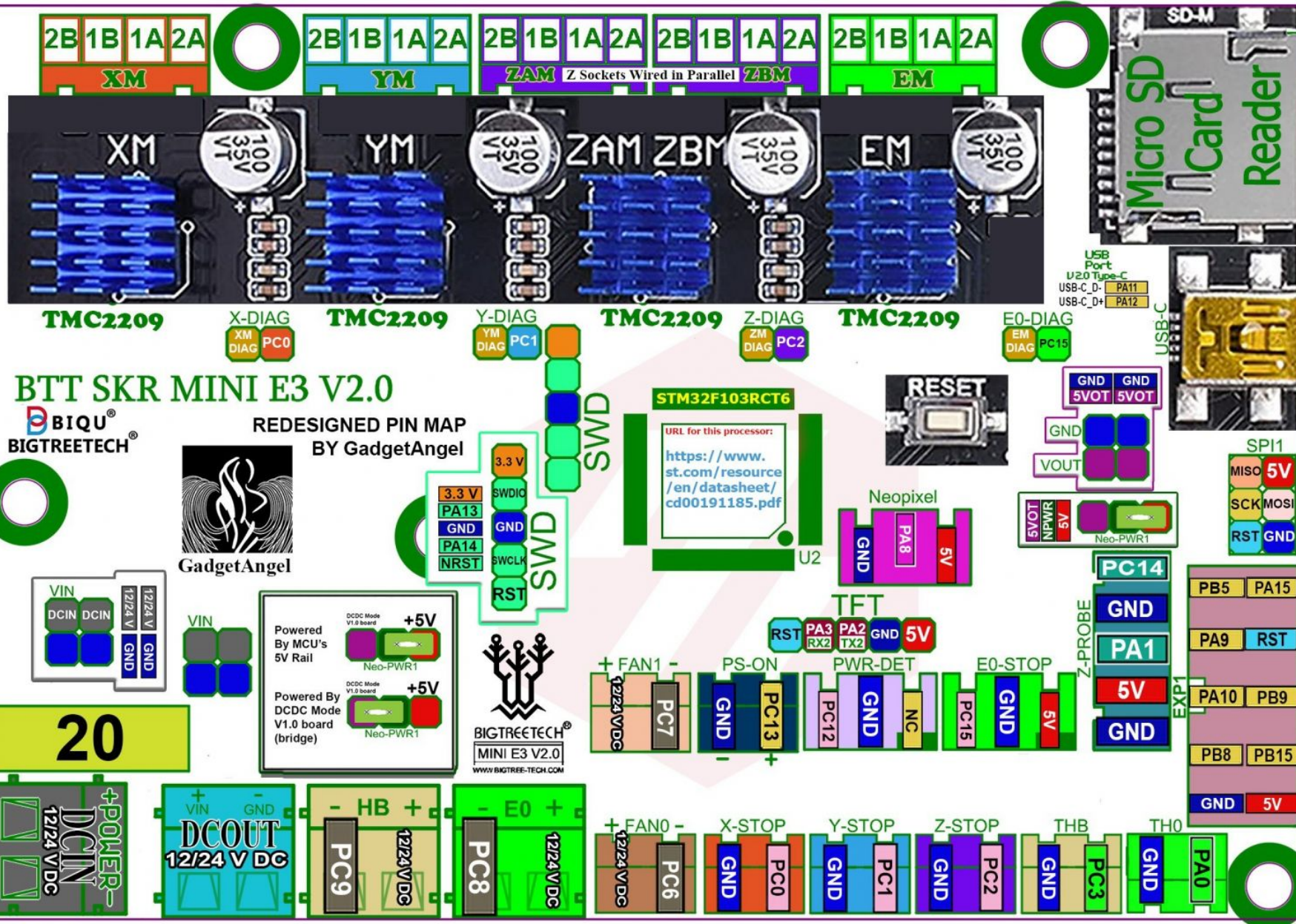
-1: USB Port; 2: TFT Port;

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.



	EN	STEP	DIR
XM	PB14	PB13	PB12
YM	PB11	PB10	PB2
ZM	PB1	PB0	PC5
EM	PD2	PB3	PB4

MOTOR UART

RX	PC11
TX	PC10

STALLGUARD

	DIAG PIN	ENDSTOP
XM	X-DIAG	PC0
YM	Y-DIAG	PC1
ZM	Z-DIAG	PC2
EM	E0-DIAG	PC15

20 For the heated bed, logic, fans and hotend

