

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_2 3
```

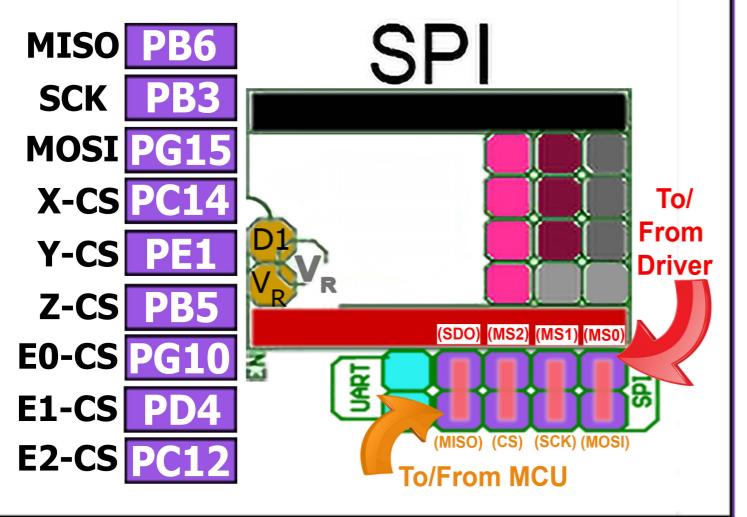
#define MOTHERBOARD

MOTHERBOARD BOARD_BTT_GTR_V1

Note: Serial Port definitions in Marlin 2.0.x for GTR V1.0 Boards

Marlin 2.0.x for GTR V1.0 Board: 1: USB Port; 3: TFT Port; 6: WiFi

0 - M1; MS1 0 - M0; M
1 - M2; MS2 OR 1 - M1; M
2 - M3; MS3 2 - M2; M



UART

(CS)

X-CS PC1

Y-CS PE

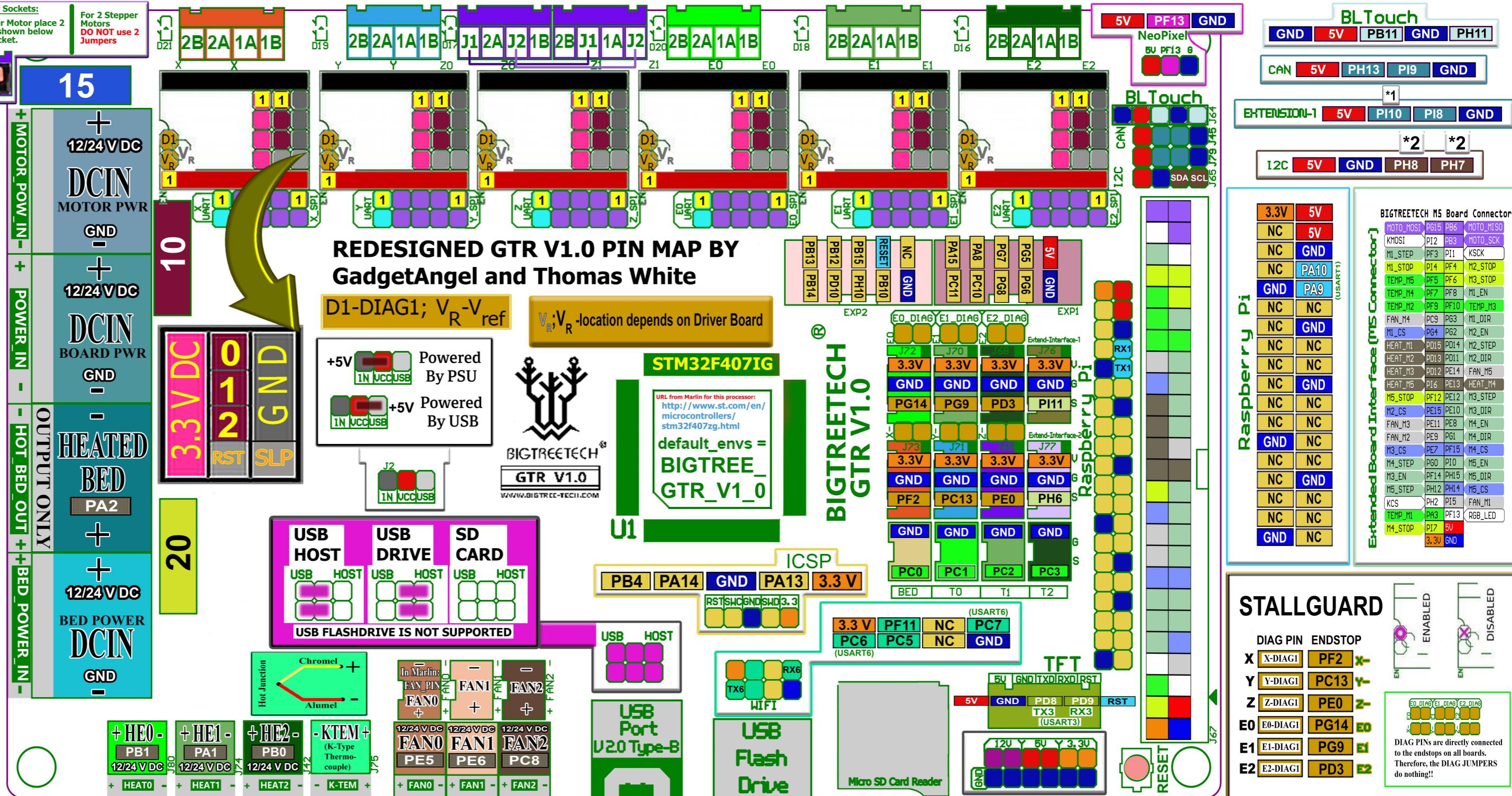
Z-CS PR

ED-68 PC1

EU-CS PGI

E1-CS PD

***1 THE CORRECTED PIN VALUE. THE CORRECT PIN
VALUE CAME FROM BTT's GTR V1.0 SCHEMATIC
DIAGRAM!**



20 For the heate

bed. 1.5 For stepper motor drivers

For logic fans, hotend heaters

***2 WILL WORK WITH 3.3 OR 5V. A LOT OF PINS ARE 5V TOLERANT. ONLY TESTED I2C - CHECK**

Notes Concerning the TMC2209 in UART Mode ONLY

Using limit switches/enstops, ensure the DIAG pin is NOT plugged into the TMC2209 board (i.e., the DIAG pin must be cut off the driver board on the TMC2209). This note does not apply to the TMC2130, TMC5160 or TMC5161 SPI mode.

Note: For TMC2209, TMC2130, TMC5160 and TMC5161 (any Driver Board that supports sensor-less homing) if you install it on the extruder and you want to use a filament runout sensor, remove the DIAG/DIAG1/DIAG0 PIN to allow the filament runout sensor to work properly.

MG2004: HARTMEL ONLY

IC2209 in UART Mode ONLY:
Top, ensure the **DIAG** pin is NOT plugged into the
AG pin must be cut off the driver board on the
not apply to the TMC2130, TMC5160 or TMC5161

(C1210, TMC5160 and TMC5161 (any Driver Board coming) if you install it on the extruder and you want to work properly.