

# ebbcn.cfg

```
# This file contains common pin mappings for the BIGTREETECH EBBCan
# Canbus board. To use this config, the firmware should be compiled for the
# STM32G0B1 with "8 MHz crystal" and "USB (on PA11/PA12)" or "CAN bus (on PB0/PB1)".
# The "EBB Can" micro-controller will be used to control the components on the nozzle.
```

```
# See docs/Config_Reference.md for a description of parameters.
```

```
[mcu EBBCan]
```

```
#serial: /dev/serial/by-id/usb-Klipper_Klipper_firmware_12345-if00
```

```
canbus_uuid: fc867967f42b
```

```
[temperature_sensor EBBCan]
```

```
sensor_type: temperature_mcu
```

```
sensor_mcu: EBBCan
```

```
min_temp: 0
```

```
max_temp: 100
```

```
[adxl345]
```

```
cs_pin: EBBCan:PB12
```

```
spi_software_sclk_pin: EBBCan:PB10
```

```
spi_software_mosi_pin: EBBCan:PB11
```

```
spi_software_miso_pin: EBBCan:PB2
```

```
axes_map: x,y,z
```

```
[resonance_tester]
```

```
accel_chip: adxl345
```

```
probe_points:
```

```
    60, 60, 20 # an example
```

```
[extruder]
```

```
step_pin: EBBCan: PD0
```

```
dir_pin: !EBBCan: PD1
```

```
enable_pin: !EBBCan: PD2
```

```
microsteps: 16
```

```
rotation_distance: 33.500
```

nozzle\_diameter: 0.400  
filament\_diameter: 1.750  
heater\_pin: EBBCan: PB13  
sensor\_type: EPCOS 100K B57560G104F  
sensor\_pin: EBBCan: PA3  
control: pid  
pid\_Kp: 21.527  
pid\_Ki: 1.063  
pid\_Kd: 108.982  
min\_temp: 0  
max\_temp: 300

# sensor\_type:MAX31865  
# sensor\_pin: EBBCan: PA4  
# spi\_bus: spi1  
# rtd\_nominal\_r: 100  
# rtd\_reference\_r: 430  
# rtd\_num\_of\_wires: 2

[tmc2209 extruder]  
uart\_pin: EBBCan: PA15  
run\_current: 0.650  
stealthchop\_threshold: 999999

[fan]  
pin: EBBCan: PA0

[heater\_fan hotend\_fan]  
pin: EBBCan: PA1  
heater: extruder  
heater\_temp: 50.0

#[neopixel hotend\_rgb]  
#pin: EBBCan:PD3

#[bltouch]  
#sensor\_pin: ^EBBCan:PB8  
#control\_pin: EBBCan:PB9

#[filament\_switch\_sensor switch\_sensor]

#switch\_pin: EBBCan:PB4

#[filament\_motion\_sensor motion\_sensor]

#switch\_pin: ^EBBCan:PB3

---

Revision #1

Created 2 January 2025 12:24:56 by sylvio

Updated 2 January 2025 12:25:29 by sylvio