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// This config file contains all the things should be the same for all
// V2 proffiboard configurations. In most cases there should be no need
// to change anything in this file.

#define VERSION_MAJOR 5
#define VERSION_MINOR 1
#define V2
#define V3
#define PROFFIEBOARD
#define USE_I2S
#define GYRO_CLASS LSM6DS3H

// Proffieboard pin map
enum SaberPins {
  // I2S
  bclkPin = 3,                   // BCLK (digital audio)   PB13
  txd0Pin = 26,                  // TXD0 (digital audio)   PA10
  lrclkPin = 2,                  // LRCLK (digital audio)  PB12

  // I2C
  i2cDataPin = 7,                 // I2C bus, Used by motion sensors  PB9
  i2cClockPin = 25,               // I2C bus, Used by motion sensors  PA9

  // Buttons
  powerButtonPin = 21,            // power button  PB6
  auxPin = 23,                    // AUX button    PB5
  aux2Pin = 22,                   // AUX2 button   PB4

  // Memory card
  sdCardSelectPin = 4,            // PB14

  amplifierPin = 24,              // Amplifier enable pin PH1
  boosterPin = 15,                // Booster enable pin   PH0
  motionSensorInterruptPin = 12,  // motion sensor interrupt PC13

  // No fastled support yet
  spiLedSelect = -1,
  spiLedDataOut =-1,
  spiLedClock = -1,

  // Neopixel pins
  bladePin = 16,                  // blade control, either WS2811 or PWM PA0
  bladeIdentifyPin = 16,          // blade identify input / FoC
  blade2Pin = 1,                  // PB10
  blade3Pin = 17,                 // PB3
  blade4Pin = 0,                  // PA4
  blade5Pin = 8,                  // PA15 (also UART)
  blade6Pin = 9,                  // PA02 (also UART)

  // Blade power control
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  bladePowerPin1 = 13,            // blade power control PA1
  bladePowerPin2 = 19,            // blade power control PB8
  bladePowerPin3 = 18,            // blade power control PA8
  bladePowerPin4 = 10,            // blade power control PB3
  bladePowerPin5 = 5,             // blade power control PB15
  bladePowerPin6 = 6,             // blade power control PB0

  // If there is no neopixels, these can be used as PWM output
  // If neopixels are present, but not on these pins, PWM may still
  // be possible at 800kHz.
  // You can drive 20mA LEDs with a resistor from these pins, or
  // hook up an external FET to drive more powerful LEDs
  bladePowerPin7 = 17,            // PB03 (also neopix4)
  bladePowerPin8 = 1,             // PB10 (also neopix2)
  bladePowerPin9 = 0,             // PB11 (also neopix3)
  bladePowerPin10 = 16,           // PA00 (also blade ID / neopixels)

  // Analog pins
  batteryLevelPin = 14,           // battery level input PA04

  // UART
  rxPin = 8,                      // PA15
  txPin = 9,                      // PA02

  // MiCOM setup
  trigger1Pin = 21,   // power button
  trigger2Pin = 23,   // aux button
  trigger3Pin = 22,   // aux2 button
  trigger4Pin = 1,    // data2
  trigger5Pin = 17,   // data3
  trigger6Pin = 0,    // data4
  trigger7Pin = 8,    // RX
  trigger8Pin = 9,    // TX
};

#if PROFFIEBOARD_VERSION - 0 != 2
#error Please select Proffieboard V2 in Tools->Board
#endif
#if DOSFS_SDCARD - 0 == 0
#error Tools->DOSFS should be set to SDCARD (SPI)
#endif
```