

board_name FLYWOOF405NANO

manufacturer_id FLWO

name: FLYWOO

resources

resource BEEPER 1 C13

resource MOTOR 1 B00

resource MOTOR 2 B01

resource MOTOR 3 A03

resource MOTOR 4 A02

resource MOTOR 5 B05

resource MOTOR 6 C09

resource MOTOR 7 B07

resource MOTOR 8 C08

resource PPM 1 B08

resource LED_STRIP 1 A09

resource SERIAL_TX 1 B06

resource SERIAL_TX 2 D05

resource SERIAL_TX 3 B10

resource SERIAL_TX 4 A00

resource SERIAL_TX 6 C06

resource SERIAL_RX 1 A10

resource SERIAL_RX 2 D06

resource SERIAL_RX 3 B11

resource SERIAL_RX 4 A01

resource SERIAL_RX 5 D02

resource SERIAL_RX 6 C07

resource I2C_SCL 1 B08

resource I2C_SDA 1 B09

resource LED 1 C14

resource SPI_SCK 1 A05

resource SPI_SCK 3 C10

resource SPI_MISO 1 A06

resource SPI_MISO 3 C11

resource SPI_MOSI 1 A07

resource SPI_MOSI 3 C12

resource ESCSERIAL 1 B08

resource ADC_BATT 1 C03

resource ADC_RSSI 1 C00

resource ADC_CURR 1 C02

resource FLASH_CS 1 B03

resource OSD_CS 1 B14

resource GYRO_EXTI 1 B13

resource GYRO_CS 1 B12

resource USB_DETECT 1 A08

timer

timer B00 AF2

pin B00: TIM3 CH3 (AF2)

timer B01 AF2

pin B01: TIM3 CH4 (AF2)
timer A03 AF1
pin A03: TIM2 CH4 (AF1)
timer A02 AF1
pin A02: TIM2 CH3 (AF1)
timer B05 AF2
pin B05: TIM3 CH2 (AF2)
timer B07 AF2
pin B07: TIM4 CH2 (AF2)
timer C09 AF3
pin C09: TIM8 CH4 (AF3)
timer C08 AF3
pin C08: TIM8 CH3 (AF3)
timer A09 AF1
pin A09: TIM1 CH2 (AF1)
dma
dma ADC 1 0
ADC 1: DMA2 Stream 0 Channel 0
dma pin B00 0
pin B00: DMA1 Stream 7 Channel 5
dma pin B01 0
pin B01: DMA1 Stream 2 Channel 5
dma pin A03 1
pin A03: DMA1 Stream 6 Channel 3
dma pin A02 0
pin A02: DMA1 Stream 1 Channel 3
dma pin B05 0
pin B05: DMA1 Stream 5 Channel 5
dma pin B07 0
pin B07: DMA1 Stream 3 Channel 2
dma pin C09 0
pin C09: DMA2 Stream 7 Channel 7
dma pin C08 0
pin C08: DMA2 Stream 2 Channel 0
dma pin A09 0
pin A09: DMA2 Stream 6 Channel 0
feature
feature -RX_PARALLEL_PWM
feature RX_SERIAL
feature MOTOR_STOP
feature GPS
feature TELEMETRY
feature LED_STRIP
feature OSD
serial
serial 2 8192 115200 57600 0 115200
serial 3 64 115200 57600 0 115200
serial 5 2 115200 115200 0 115200

```
# mixer
mmix 0 1.000 -0.809 0.659 -1.000
mmix 1 1.000 -1.000 -0.659 1.000
mmix 2 1.000 0.809 0.659 1.000
mmix 3 1.000 1.000 -0.659 -1.000
# led
led 0 6,6::CO:8
led 1 7,6::CO:8
led 2 8,6::CO:8
led 3 9,6::CO:8
# aux
aux 0 0 1 1375 2100 0 0
aux 1 2 1 1700 2100 0 0
aux 2 46 2 1700 2100 0 0
aux 3 13 0 1700 2100 0 0
# vtxtable
vtxtable bands 5
vtxtable channels 8
vtxtable band 1 BAND_A A CUSTOM 5865 5845 5825 5805 5785 5765 5745 5725
vtxtable band 2 BAND_B B CUSTOM 5733 5752 5771 5790 5809 5828 5847 5866
vtxtable band 3 BAND_E E CUSTOM 5705 5685 5665 5645 5885 5905 5925 5945
vtxtable band 4 AIRWAVE F CUSTOM 5740 5760 5780 5800 5820 5840 5860 5880
vtxtable band 5 RACEBAND R CUSTOM 5658 5695 5732 5769 5806 5843 5880 5917
vtxtable powerlevels 5
vtxtable powervalues 25 100 200 400 600
vtxtable powerlabels 25 50 100 200 MAX
# rxfail
rxfail 6 s 2000
# master
set acc_calibration = 111,119,-31,1
set mag_bustype = I2C
set mag_i2c_device = 1
set mag_hardware = NONE
set baro_bustype = I2C
set baro_i2c_device = 1
set serialrx_provider = SBUS
set blackbox_device = SPIFLASH
set dshot_burst = ON
set motor_pwm_protocol = DSHOT300
set failsafe_procedure = GPS-RESCUE
set current_meter = ADC
set battery_meter = ADC
set ibata_scale = 200
set beeper_inversion = ON
set beeper_od = OFF
set yaw_motors_reversed = ON
set gps_sbas_mode = AUTO
set gps_rescue_min_sats = 5
```

set gps_rescue_allow_arwing_without_fix = ON

set pid_process_denom = 4

set osd_vbat_pos = 2305

set osd_rssi_pos = 2177

set osd_link_quality_pos = 2145

set osd_rssi_dbm_pos = 161

set osd_tim_1_pos = 2401

set osd_tim_2_pos = 2369

set osd_flymode_pos = 2241

set osd_throttle_pos = 2361

set osd_vtx_channel_pos = 2209

set osd_current_pos = 2391

set osd_mah_drawn_pos = 2273

set osd_craft_name_pos = 2081

set osd_gps_speed_pos = 2264

set osd_gps_lon_pos = 2129

set osd_gps_lat_pos = 2097

set osd_gps_sats_pos = 2167

set osd_home_dir_pos = 2190

set osd_home_dist_pos = 2200

set osd_flight_dist_pos = 2232

set osd_altitude_pos = 2327

set osd_warnings_pos = 2441

set osd_avg_cell_voltage_pos = 2337

set osd_disarmed_pos = 2411

set osd_flip_arrow_pos = 2113

set osd_core_temp_pos = 2296

set osd_log_status_pos = 97

set osd_efficiency_pos = 231

set system_hse_mhz = 8

set vtx_band = 3

set vtx_channel = 4

set vtx_power = 5

set vtx_freq = 5645

set max7456_spi_bus = 3

set dashboard_i2c_bus = 1

set pinio_box = 40,41,255,255

set flash_spi_bus = 3

set gyro_1_bustype = SPI

set gyro_1_spibus = 1

set gyro_1_sensor_align = CW90

set gyro_1_align_yaw = 900

set gyro_2_spibus = 1

set name = FLYWOO

profile 0

profile 0

set anti_gravity_gain = 5000

set iterm_relax_cutoff = 20

```
set p_pitch = 52
set i_pitch = 63
set d_pitch = 68
set f_pitch = 80
set p_roll = 47
set i_roll = 59
set d_roll = 63
set f_roll = 76
set p_yaw = 50
set i_yaw = 63
set f_yaw = 76
set d_min_roll = 41
set d_min_pitch = 45
rateprofile 0
# end the command batch
batch end
#
SAVE
```