SimpleBGC32 encoder-enabled modular system with CAN-bus connection ____ ENC ENC MOTOR MOTOR MOTOR ENC PITCH ROLL YAW CAN **CAN** CAN CAN +5v* CAN_H +5v* CAN_H +5v +5v* CAN H CAN H IMU 📩 中 MCU F3 CAN L MCU MCU CAN L CAN L CAN I GND GND* GND* GND* F3 F3 **USB** RC 5V 5V **UART** ADC 3.3v 3.3v 3.3v CAN_Drv#2 CAN_Drv#1 SBGC32 CAN_IMU CAN_Drv#3 motor driver motor driver main control main IMU motor driver module module unit module sensor * +5V and GND lines are optional, each driver has its own **Battery** on-board 5V switching regulator 12..26V 120 Ohm on-board terminators at both ends of the CAN bus - on the MCU board is enabled by default,

- on other boards may be enabled by jumpers