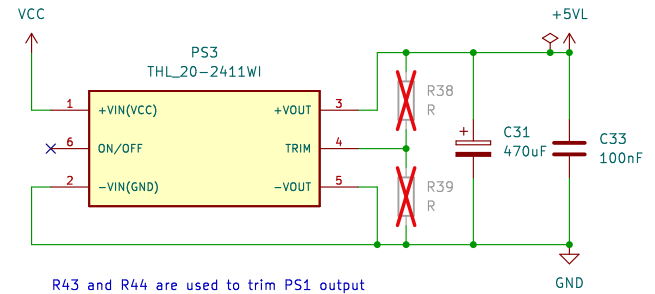
[illegible]

You can trim the converters output by using:

- R34 / R36 / R38 to trim up the voltage
- R35 / R37 / R39 to trim down the voltage



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Sheet: Converters

File: converters.kicad_sch

Title: Carte Alim

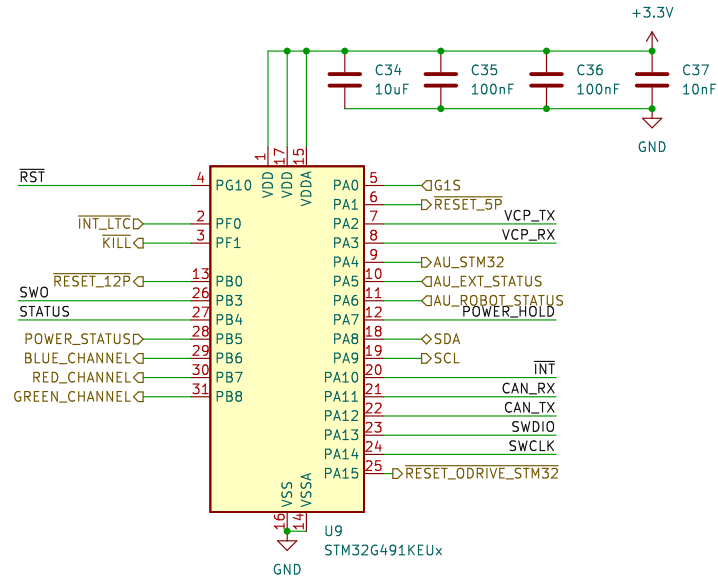
Date: 2025-01-15

Size: A4	Date: 2
KiCad E.D.A.	kicad 7.0.6

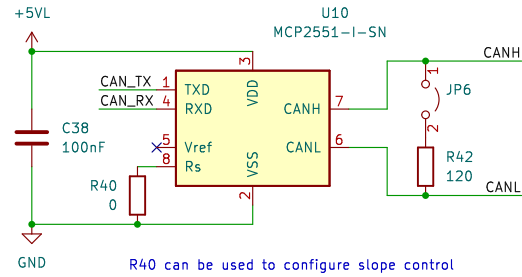
Rev: V5.1

Id: 5/7

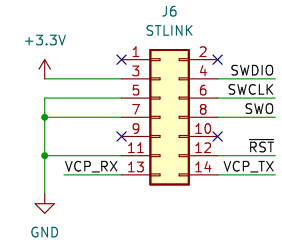
STM32



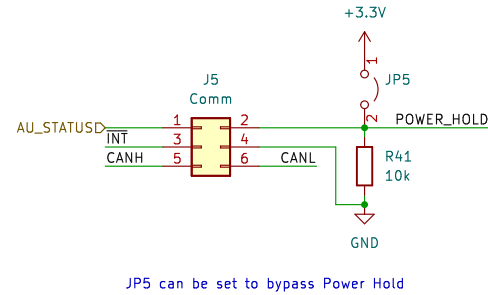
CAN



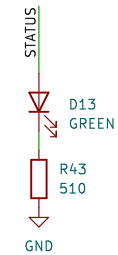
STLINK



Power Control Connector

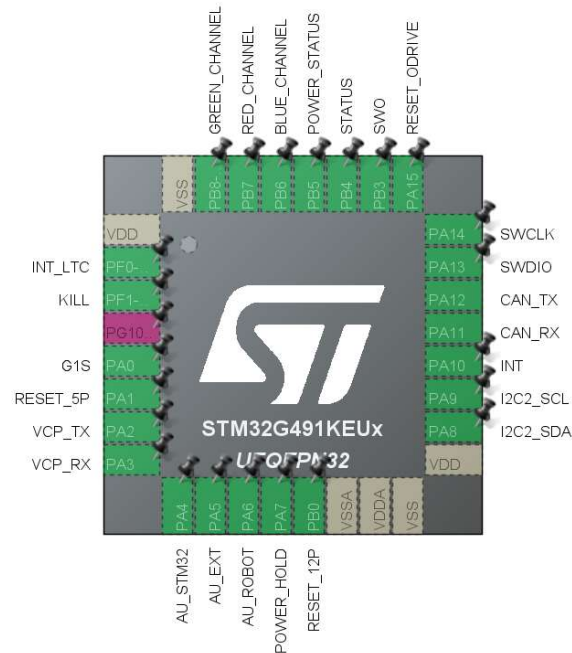


Status led



Mapping STM32

- TIM4 is used to drive the RGB power button led
- FDCAN1 is used to interface the STM32 with the CAN bus
- I2C2 is used to communicate with all onboard sensors
- UART2 is used for debugging
- INT_LTC / AU_ROBOT / AU_EXT / POWER_HOLD are used as external interrupts
- PB8 (BOOT0) is mapped as and output PWM (need to set nBOOT_SEL option byte to not use PB8 as BOOT0 pin)



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Sheet: STM32

File: stm32.kicad_sch

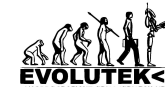
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Size: A4 Date: 2025-03-21

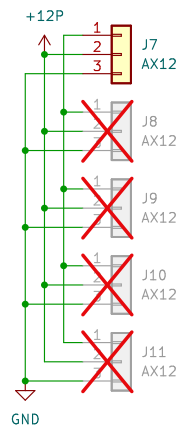
KiCad E.D.A. kicad 7.0.6

Rev: V5.1

Id: 6/7

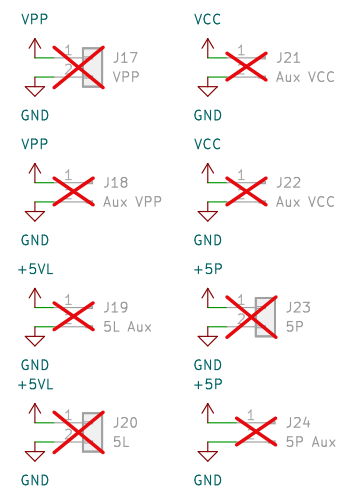
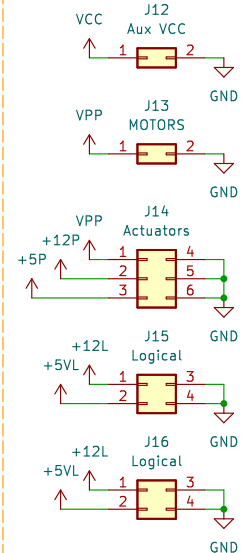


AX12



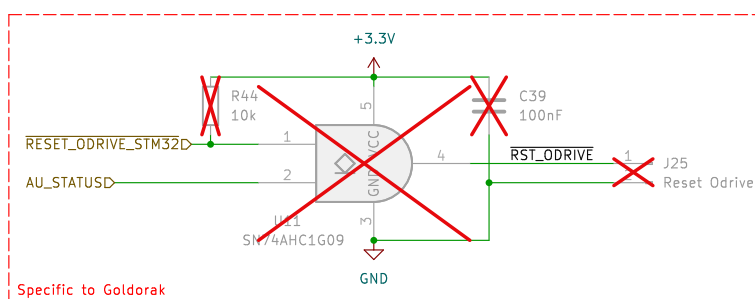
Output connectors

Specific to Evolutek



Specific to Goldorak

Reset Odrive



Specific to Goldorak



Evolutek<< & Goldorak

Sheet: Output Connectors

File: output_connectors.kicad_sch

Title: Carte Alim

Size: A4 Date: 2025-01-15

KiCad E.D.A. kicad 7.0.6

Rev: V5.1

Id: 7/7