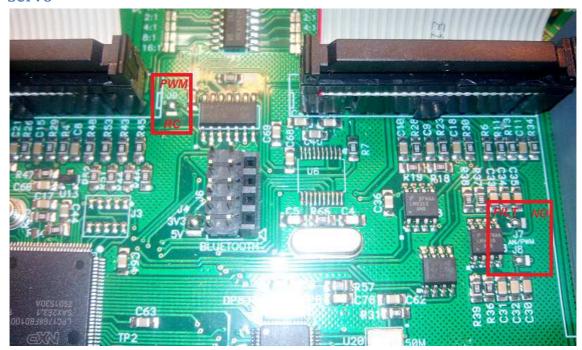# SP5 Servo and AirSpeed outputs config

Servo

In addition of the 2 brake outputs SP5 Provides 2 additional PWM outputs for Servo/Throttle and AirSpeed function. Servo can also be configured as a RC-pulse for using commercial RC servos. RC-pulse consists of a 1ms pulse (+/-0.5 ms) at a 50Hz cycle.

In addition PWM outputs can be filtered to get a continuous DC voltage from 0 to 5 volt.

Filter Jumpers

- J7 : SERVO. Left position = FILTERED (default), Right position = NO Filtered
- J8 : AIRSPEED. Left position = FILTERED (default), Right position = NO Filtered

Servo Output Type:

- J9: UP position = PWM signal, DOWN position = RC-pulse signal

Note that from the 4 possible combinations for Servo Type Jumper (J9) and Servo Filter (J7), not all of them have sense:

Servo Type (J9)	Servo Filter (J7)	Result
UP = PWM	Left = Filtered	Analog output 0 to 5 (Default)
UP = PWM	Right = NOT Filtered	PWM output (not usual)
DOWN = Pulse	Left = Filtered	Filtered RC-pulse, DO NOT USE
DOWN = Pulse	Right = NOT Filtered	RC-pulse output (RC-Servos)