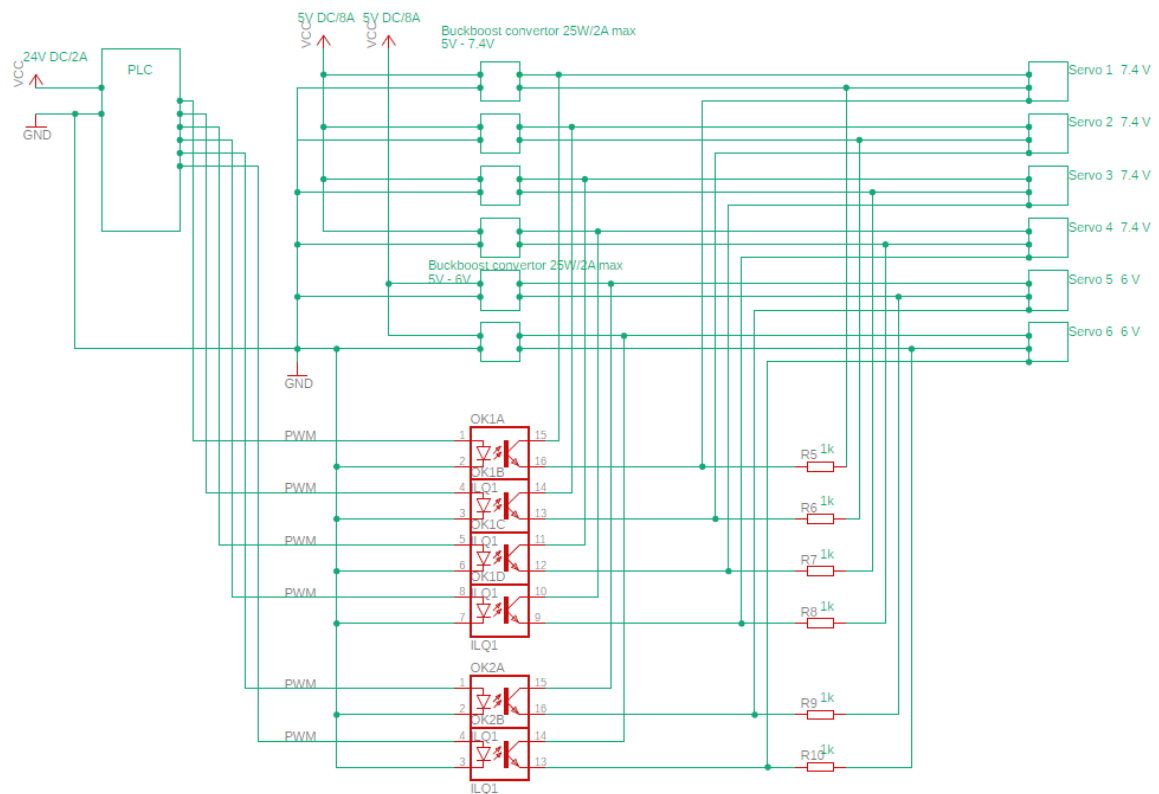
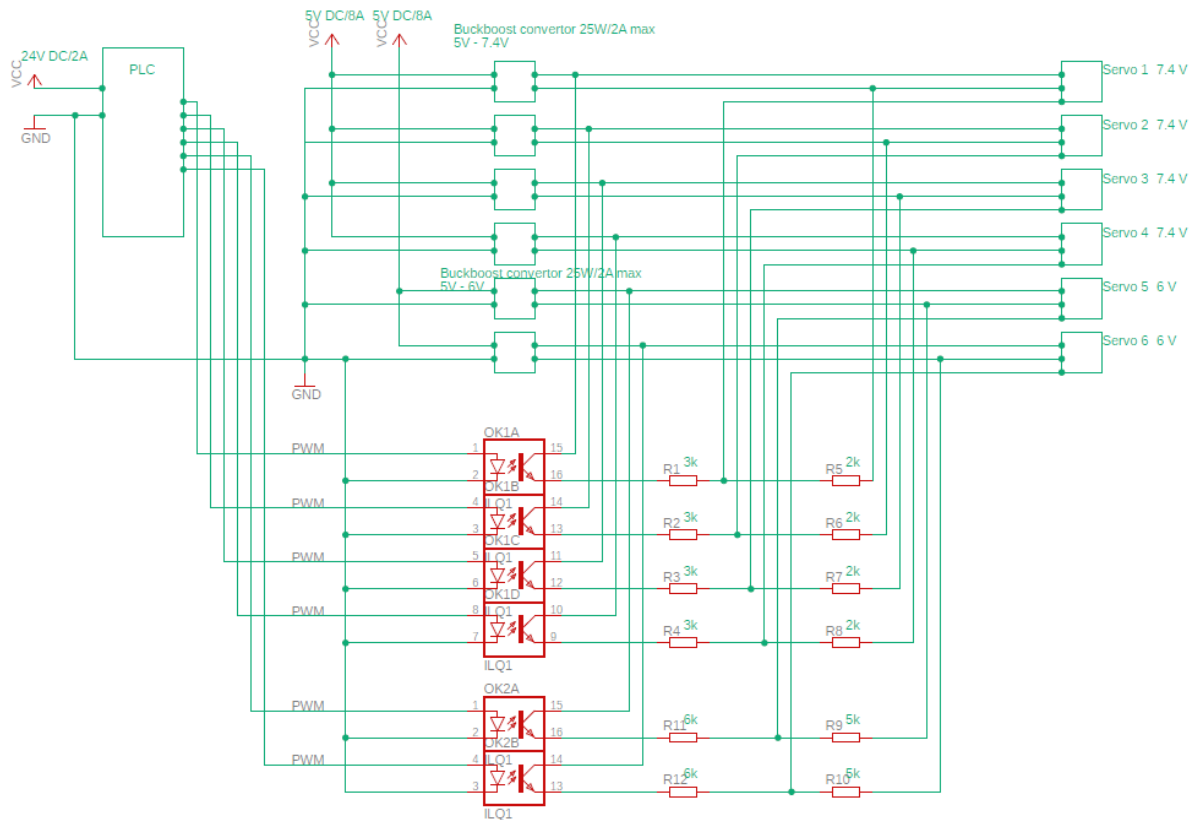


Eerste vereenvoudigd schema



Tweede schema met spanningsdelers



PiXtend V2 -L- has the following PWM outputs:

- 6x PWM mit 16 bit digital resolution - PWM0A (P0A), PWM0B (P0B), PWM1A (P1A), PWM1B (P1B), PWM2A (P2A), PWM2B (P2B)

The outputs have identical electrical characteristics regardless of their digital resolution.

Property	Value	Comment
Type of outputs	Digital output, semiconductor	for DC voltage
	Push-Pull	CMOS output
Output voltage	5 V DC	
Nominal output current	2 mA	
Nominal load resistance	$\geq 3 \text{ k}\Omega$	for min. 4.5 V output voltage
Analog filtering*	Cut-off frequency: 830 kHz	1st order lowpass
Load types	ohmic	
Short circuit current	$\sim 15 \text{ mA}$	
Rated switching capacity	10 mW	
Short circuit protection	yes	Short circuit against GND
Isolation	no	
Status display	no	
Data format	16 bit Integer	Raw value (right-aligned)
Permissible cable length	$< 3 \text{ m}$ $< 30 \text{ m}$	unshielded cable shielded cable

Link 7.4V servo

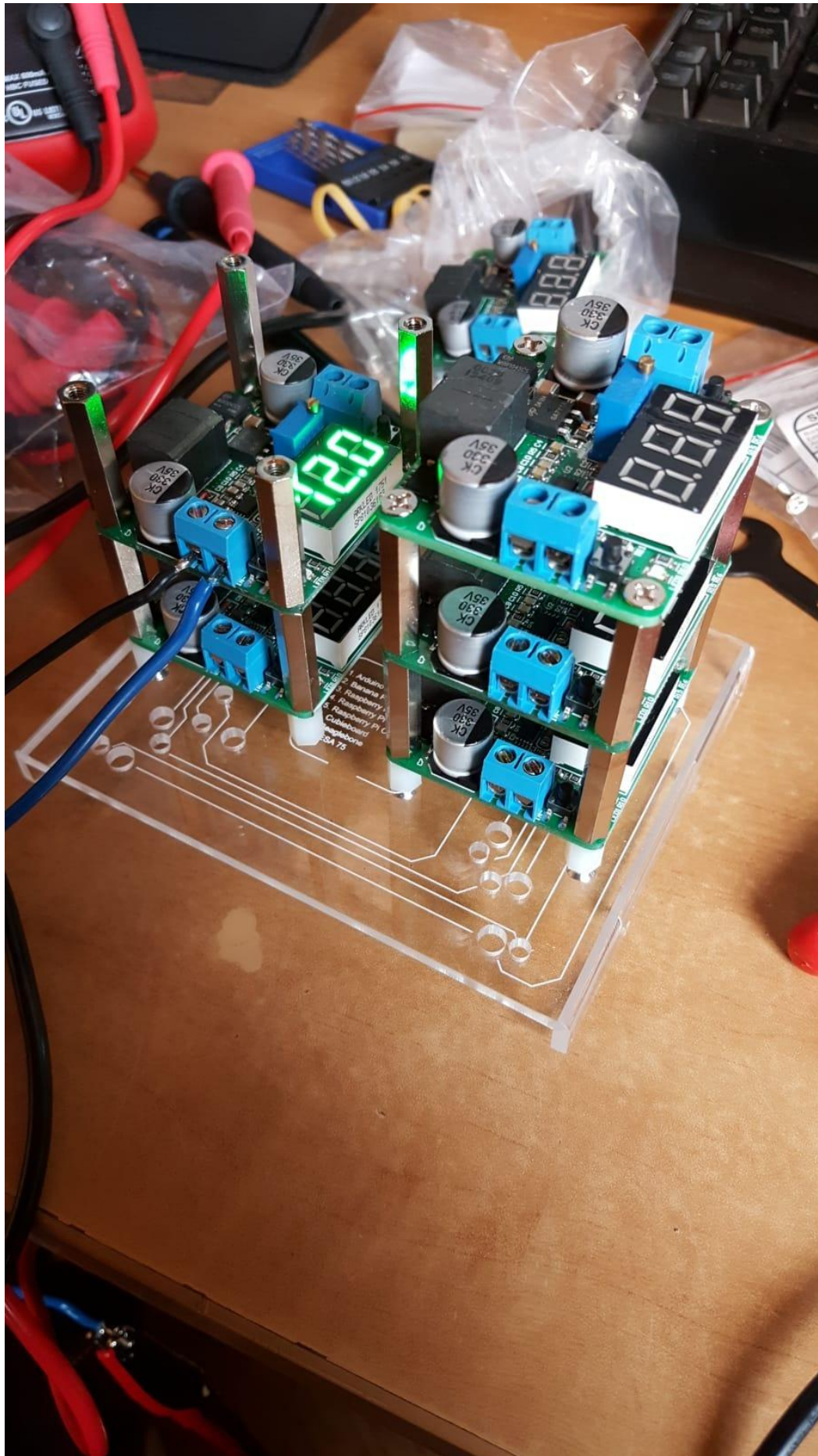
<https://joy-it.net/en/products/COM-Motor02>

Link 6V servo heb ik niet meer, maar ik weet dat nog deze op 6v werken met 16,5kg/cm.

Het was ergens een Chinees merk.

Link naar buck boost

<https://joy-it.net/en/products/SBC-BuckBoost01>





De onderste plc unit wordt niet gebruikt in dit project, maar had ik in reserve en dus bij geplaatst.

(mijn nieuwe testbench 😊)