

BOM Experimental Kit

03.02.2024

Author: Felix Profe

Sensing Parts

3D Print Components	Qty
Load Cell Sauter CP 3-2Y1	1
2076240_WB_body	1
2076259_bracket	1
2076260_diagonal_brace_rear	2
2076262_diagonal_brace_front	2
2076268_limit_stop_bolt	1
2076269_sleeve_bearing_lever	1
2076272_lever	1
2076275_connection	1
2076277_flap	1
2076278_sleeve_bearing_flaps	2
2076282_excentric_bolt	1

Standard parts WB	Qty
Screw ISO4017-M4-30	2
Screw ISO4017-M4-20	2
Screw ISO4017-M4-25	2
Nut ISO10511-M4	5
Washer ISO7093-4.3	5
Washer ISO7089-4.3	1

Standard parts Bracket	Qty
Screw ISO4017-M6-45	2
Screw ISO4017-M6-55	6
Screw ISO4017-M6-90	2
Nut ISO10511-M6	4
Wing nut DIN315-M6	6

Signal Conditioning Parts

Component	Qty
External power supply 0-12V	1
Instrumentation amplifier AD620ANZ	1
IC-Dip Socket TE CONNECTIVITY 1-2199298-2	1
Arduino jumper wire male-male	4
Breadboard Epoxy 100 x 160 mm 2.54 mm	1
Wago 233 2.54mm Pitch, 6 Contact	2
Resistor R1 = 500 Ohm	2
Resistor R_G = 220 Ohm	1
Capacitor C_C = 100nF	2
Capacitor C_D = 1µF	1
Capacitor 100nF	1

Signal Processing Parts

Component	Qty
Arduino Due	1