

Part	Qty	Components	Value	Case	Reichelt	Farnell	Digikey	Miscellaneous
J1	1	1x4WP		1mm	SL 1X40G 2,54			PIN HEADER
J2	1	1x4WP		1mm	SL 1X40G 2,54			PIN HEADER
FTDI	1	PINHD-1X6		1X06	SL 1X40G 2,54			PIN HEADER
J3	1	2x5WP		3MMH-10	MPE 087-2-010			Hdr Male Mount
U3	1	ATmega328-TQFP		SMD	ATMEGA 328P-AU			8-bit AVR Microcontroller 8Kb Prog Flash
X1	1	SMD Resonator 16.0 MHz		CSTNE_V	CSTCE 16,0			
C1	1	Capacitor	10µ	0805	X5R-G0805 10/16			Capacitor
C2, C3, C4, C5	4	Capacitor	100n	0603	X7R-G0603 100N			Capacitor
ENC1	1	11mm Rotary Encoder + Keypswitch, 20 pulses / 20 dents	EN11-HSB1AF20				EN11-HSB1AF20-ND	https://www.ebay.de/itm/280693301091?_trksid=p11400.c100710.r
	1	Knob CR-R4-6 oder CR-R4-7			14400111440012			grey-black black-white
Alternative encoder with two shafts								
ENC1	1	11mm rotary encoder, two shafts, PushButton	EC11EBB24C03	THT		2065025		AliExpress
	1	Dual Knob						https://www.thingiverse.com/thing:4245135
S4	1	SMD tactile switch		SMD	KMR 231 G LFS			OMRON SWITCH
J4	1	MICRO USB		THT		2443141	732-5958-2-ND ??	alternative Farnell 2365803 2537022
S1, S2, S3	3	RA3FTL6		DIL	Switch 3FTH9			MEC SWITCH
	3	Cap	MEC 1Pxx			1132893	679-2107-ND 679-2105-ND ----	1P09=black, 1P03=grey identical in construction, white with imprint for avionics
R5	1	Resistor	10k	0603	RND 0603 5 10K			
	1	Flat ribbon cable AWG 28, 10-pin (30 cm)			AWG 28-10G			
	2	10-pin IDC socket 2x5 (2 pc.)			PFL 10			
	1	Ethernet Modul WizNET W5500						https://www.banggood.com/W5500-Ethernet-Network-Modul
	1	LCD-Modul 2x16 Zeichen, I²C						https://www.banggood.com/IIC-I2C-1602-Blue-Backlight-LCD-D
	1	PCBA ARDU-FRQ_II						