

Ref Name	Qty	Component	Value	Package	Manufacturer	MPN	Farnell	Reichelt	Description
S3, S4, S5, S6, S7, S8, S9, S10	8	10-XX		B3F-10XX				TASTER 3301B	Kurzhubtaster 6x6mm, Höhe: 9,5mm, 12V, vertikal
S1	1	255SB		255SB				KIPP 1A11	Kippschalter Ein-Aus-Ein optional für Analogvariante
J1	1	520425-3		520425-3	Molex	95501-2661	1536490		Modular Jack R12 6/6, THT, Low Profile
T2	1	BC850	BC817-40	SOT23	NXP	BC817-40		BC 817-40 SMD	NPN TRANSISTOR
C12	1	Capacitor	1n	0603				X7R 0603 CF 1,0N	Capacitor
C8, C9	2	Capacitor	10n	0603				RND 1500603B1031	Capacitor
C6	1	Capacitor	47p	0603				RND 1500603N4702	Capacitor
C4, C10, C11, C13, C14	5	Capacitor	100n	0603				KEM Y5V0603 100N	Capacitor
C7	1	CPOL-EUC	10µ	PANASONIC_C	Jamicon Panasonic	EEE1VA100SR		SMD ELKO 10/35 S-V 10U 35	POLARIZED CAPACITOR, Ø5mm
C16	1	CPOL-EUC	22µ	PANASONIC_C	Jamicon Panasonic	EEE1CA220SR		SMD ELKO 22/16 S-V 22U 16	POLARIZED CAPACITOR, Ø5mm
D1, D2, D3	3	DIODE_SOD-323	BAT54J	SOD2514X100N	NXP	BAT54J		BAT 54J NXP	
R11 (S2b)	1	ENC-POTI	ENC-POTI	ENC-POTI	Bourns	51AAA-B28-D18L			Potentiometer 50kOhm, linear, optional für Analogvariante, 6,35mm Achse
S2 (S2a)	1	ENC-POTI	ENC-POTI	ENC-POTI	Alps Alps Bourns	EC11B152442D EC11E15244G1 PEC11L-4215F-S0015	1191734 2064986	STEC11B03	Drehimpulsgeber 15 Pulse/30 Rastungen, Uhrzeigersinn: A vor B
IC2	1	LE33CD	LM2936M-3.3	SO8	TI	LM2936BMX-3.3/NOP	2769248	(LP 2950 CZ-3.3)	LDO 3,3V (dreipinnige Alternative THT->SMD-Pad)
LED1, LED2	1	LED3MM	green	LED3MM				KBT L-7104MGC KBT L-7104MGD	LED ca. 700mcd klar ca. 200mcd diffus
LED3	1	LED3MM	red	LED3MM				KBT L-7104SURC KBT L-7104SRD-E	LED ca. 1000mcd klar ca. 200mcd diffus
IC1	1	MEGA8-FREDI	ATmega328P-AU	SMD	Microchip	ATmega328P-AU		ATMEGA 328P-AU	MICROCONTROLLER 8 Kbytes FLASH,1 kbytes SRAM, 512 bytes EEPROM
SV1	1	ML6	AVR ISP6	ML6				WSL 6G	Box Header, Wannenstecker, Kabelgehäuse, 6polig
R1, R2	2	R-EU_R1206	12R	R1206				RND 1206 1 12	Resistor
R14	1	Resistor_small	0R0	0603				RND 0603 0	Resistor, alternativ 0R05
R13	1	Resistor_small	68R	0603				RND 0603 1 68	Resistor
R7, R8, R9, R12	4	Resistor_small	2k2	0603				RND 0603 1 2,2K	Resistor
R4, R6, R10, R32	4	Resistor_small	4k7	0603				RND 0603 1 4,7K	Resistor
R31	1	Resistor_small	82k	0603				RND 0603 1 82K	Resistor
R5	1	Resistor_small	100k	0603				RND 0603 1 100K	Resistor
XTAL1	1	Resonator	CSTCR7M37G53-R0	CSTCR	Murata	CSTCR7M37G53-R0	2913648		Resonator
SJ1	1	SJ2W		SJ_2					SMD solder JUMPER
Gehäuse	1				Strapubox	129-2090		SP 2090 SW	Kunststoffgehäuse Typ 2090
Drehknopf	1				ELMA	020-4420	1209764		Knopf schwarz, Knopf grau = 020-4410, für 6mm-Encoder-Achse
Drehknopf	1				ELMA	021-4520	1209788		Knopf schwarz mit Linie, Knopf grau = 021-4510, für 6,35mm-Poti-Achse
Kappe	1				ELMA	040-4020	1209812		Kappe schwarz, Kappe grau = 040-4010,
Warenkorb									