

XT BOM

XT- motherboard BOM								
					Mouser	Farnell	Reichelt	Digi Key
R2	Resistor 1%.		3.3 to 68	LCD ??	660-MF1/4DC3R32F	9341781	METALL 3,30	BC3.3ZCT-ND
R15, R16, R17, R31, R32, R33, R34	Resistor 1%		220	11	660-MF1/4DCT52R2200F	9341528	METALL 220	221XBK-ND
R9, R10	Resistor 1%		2.2k	2	660-MF1/4DCT52R2201F	9341536	METALL 2,20K	2.21KXBK-ND
R18, R19	Resistor 1%		10k	2	660-MF1/4DCT52R1002F	9341110	METALL 10,0K	10.0KXBK-ND
D1	Diode 1N 4148			1	78-1N4148-TAP	1612346	1N 4148	1N4148TACT-ND
C11, C12	Ceramic cap		18p	2	594-K180J15C0GF5TL2	1694209	KERKO 18P	BC1004CT-ND
C1, C2, C3, C5, C6, C7, C8, C9, C1	Ceramic cap		100n	14	75-1C10Z5U104M050B	2309020	X7R-2,5 100N	BC1148CT-ND
C4	Ceramic cap		100u	1	140-SEA101M1CBK0607	1902049		P833-ND
	IC Socket DIP 8			2	571-1-390261-2	1654374	GS8	A100204-ND
	IC Socket DIP 16			8	571-1-390261-4	1101347	GS16	A100206-ND
	IC Socket DIP 40			1	571-1-390262-5	4285669	GS40	A94140-ND
RN1, RN2, RN3	Resistor network, 1 to 8, 9 pins	SIL9	10k	3	652-4609X-1LF-10K	9356819	SIL 9-8 10K	4609X-101-103LF
R2	Adjustable resistor		5k	1	652-3386P-1-502LF	9355111		
X1, X2	DIN 180° 5 pins connector			2	161-0504-E	9175814	MABP 5S	CP-2350-ND
Q1	Quartz		20Mhz	1	717-9B-20.000MAAJ-B	2308718		887-1023-ND
IC10	ATMega644p			1	556-ATMEGA644P-20PU	1455122	ATMEGA 644P-20PU	ATMEGA644PA-PU-ND
IC2, IC3, IC9	74HC165N PISO reg	DIP16		3	595-SN74HC165N	380635	74HC 165	568-1410-5-ND
IC4, IC5, IC6, IC7	4051N 1:8 multiplexer	DIP16		4	595-CD4051BE	2135100	74HC 4051	296-2057-5-ND
IC8	74HC595N POSI reg	DIP16		1	595-SN74HC595N	3166028	74HC 595	568-1484-5-ND
IC1	24LC512		512kb	1	579-24LC512-E/P	9758020	24LC512-I/P	24LC512-I/P-ND
OK1	6N137			1	782-6N137	9994866	6N 137	6N137QT-ND
LED1-8	LEDs (green, flat top)			8	604-WP424GDT	1142496	V 322	754-1304-ND
Inc/dec	Clickable encoder, 20 or 24 steps			1	652-PEC12R-4225F-S24			
S1 to S19	Switches			19	612-TL1100	1633010		EG1821-ND
	Caps for switches			19	611-21125			
R3, R4, R5, R6, R7, R8, R11, R13,	Linear pot		10k	29	688-RK09D1130C2P	1191725		
	Knob			29	450-BA761	1441142		
	Knob, without cursor			1	450-BA600	1441143		
	LCD display 2x16, HD44780			1	TubeOhm/ or any compatible	USE LCD	OLED not recommend	
	Male/male connector 1x16			1		1593423	SL 1X36G 2,54	3M9454-ND
	Male/male connector 1x6			1	649-77311-118-06LF	1593423	SL 1X36G 2,54	3M9451-ND
	Male/male connector 1x8			1	649-77311-118-08LF	1593423	SL 1X36G 2,54	3M9452-ND
	Male/male connector 2x3			1	649-67996-406HLF	1022230	SL 2X10G 2,54	3M9459-ND
	Shruthi XT control board v0.3 PCB			1	TubeOhm			
TME Poti Knobs	Cliff CL17094 K85-14X18-BLK			29	K85-14X18-BLK			
TME Caps for the knobs	Cliff K85 C aps gray			29	K85-GRY-L			
	K85-GRY	Ohne Markierung						
Alternative Knobs	1440012 Farnell							

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