

Comment	Description	Designator	Footprint	LibRef	Quantity
1000uF	Capacitor Aluminum Electrolytic, 1000UF, 25V, 20%, 105°C, Low impedance	C2	ELK_RM050_10x12.5	1000UF_RM5_25V	1
100nF	SMD Kondensator	C3	0603	100NF_0805	1
100nF	SMD Kondensator	C11, C12, C14, C15, C16, C19, C21, C22, C24, C25, C26, C29, C31, C32, C34, C35, C36, C39, C41, C42, C44, C45, C46, C49,	0805	100NF_0805	28
47uF 16V	Tantal 47uF 16V	C5, C6, C9, C10	Bauform_C	47uF 16V	4
22PF	SMD Kondensator	C13, C17, C23, C27, C33, C37, C43, C47	0805	68PF_0805	8
100pF	Capacitor SMD	C18, C20, C28, C30, C38, C40, C48, C50	0805	100PF_0805	8
Con_6		Con1, Con2, Con3, Con4	Con_6	Con_6	4
MBRS140T3(R)	Schottkydiode SMD	D1	SMB	MBRS140T3(R)_SMB	1
LL4148	Universal diode SMD	D5, D6, D7, D8	MINIMELF	LL4148	4
Hole 3,5mm		H1, H2, H3, H4	Hole 3,5mm	Hole 3,5mm	4
MEBP 8-8G	Right Angle, Standard Profile, External Shield PCB Jack	J1, J2, J3, J4	RJ45-JACK-MEBP 8-8G	RJ45-JACK-MEBP 8-8G	4
Jumper	Lötlagen	JP1, JP2	SIP3	JUMPER3	2
SA52-11	7-Segment-Anzeige 13mm	LD4, LD5, LD6, LD7, LD8, LD9, LD10, LD11, LD12, LD13, LD14, LD15, LD16, LD17, LD18, LD19, LD20, LD21, LD22, LD23, LD24	SA52-11	SA52-11	24
1k	SMD Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56,	0805	1k_0805	52
100k	SMD Resistor	R13, R14, R28, R29, R43, R44, R58, R59, R61, R62, R63, R64, R65	0805	100K_0805	13
Taster		T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19, T20	SIP2	TASTER_SCH	20
LM393M	Dual Differential Comperator	U1, U2, U3, U4	SO-8	LM393_SO-8	4
ICM7218AIJ1		U5, U6, U8, U9	ICM7218AIJM	ICM7218AIJ1	4
16F887	CPU	U10, U11, U12, U13	TQFP-44	PIC-16F887	4
Ground	Groundpad	X1, X2, X5, X6, X7, X8, X9, X10, X11, X12	GND_PAD3	GND_PAD3	10
20MHz	Crystal Oscillator	XT1, XT2, XT3,	HC-49/U_ST	XTAL	4