

## Bill of materials

Item	Type	Value	Qty.	Parts	Order no.	Supplier	Note
1	Capacitor	100n	8	C9,C7,C8,C15,C2,C1,C23,C24			ceramic
2	Capacitor	1000u/25V	4	C12,C11,C3,C4			10 x 21 mm, RM5
3	Capacitor	2p7	2	C14,C16			CK - NPO/COG
4	Capacitor	1000u/50V	2	C5,C6			16 x 25mm, RM 7.5
5	Capacitor	220p (WIMA)	2	C13,C10			FKP2 220p/100V
6	Capacitor	1u	4	C19,C21,C22,C20			CF3-1M, MKT, RM 7.5
7	Capacitor	68p	2	C17,C18			NPO ceramic, RM5
8	NPN	BC547C	6	Q21,Q24,Q22,Q19,Q20, Q23			
9	NPN	BD139	2	Q16,Q8			
10	NPN	BC546B (A)	4	Q15,Q14,Q6,Q7			
11	Opamp	TL071AC	2	IC1,IC2			uA741,TL071,OP97,OPA134
12	PNP	BC557C	6	Q18,Q1,Q10,Q12,Q2,Q3			
13	PNP	BD140	2	Q9,Q17			
14	PNP	BC556B (A)	4	Q5,Q11,Q4,Q13			
15	Resistor	100R	8	R45,R44,R46,R47,R19,R20 R21,R25			metal 0.6W 1%, RM10
16	Resistor	24k	4	R3,R24,R55,R29			metal 0.6W 1%, RM10
17	Resistor	4R7 (or 75R, see text)	2	R61,R63			metal 0.6W 1%, RM10
18	Resistor	120k	2	R70,R73			metal 0.6W 1%, RM10
19	Resistor	820k	4	R68,R69,R72,R71			metal 0.6W 1%, RM10
20	Resistor	1k	2	R60,R62			metal 0.6W 1%, RM10

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21	Resistor	2k2	4	R13,R9,R49,R51			metal 0.6W 1%, RM10
22	Resistor	2k	8	R2,R8,R23,R22,R53, R54,R32,R48			metal 0.6W 1%, RM10
23	Resistor	270R	4	R15,R40,R37,R18			metal 0.6W 1%, RM10
24	Resistor	680R	4	R30,R34,R11,R4			metal 0.6W 1%, RM10
25	Resistor	220R	4	R31,R35,R12,R7			metal 0.6W 1%, RM10
26	Resistor	150R	4	R36,R39,R17,R14			metal 0.6W 1%, RM10
27	Resistor	7k5	2	R38,R16			metal 0.6W 1%, RM10
28	Resistor	2R7	4	R42,R43,R6,R5			metal 0.6W 1%, RM10
29	Resistor	12k	2	R33,R10			metal 0.6W 1%, RM10
30	Resistor	22k	2	R64,R65			metal 0.6W 1%, RM10
31	Pot.	Alps 27mm 2x10k log	1	P1	219-9130	RS	<a href="http://www.rs-components.com">www.rs-components.com</a>
32	XLR	Neutrik	2	X4,X5	448-238	RS	only if used
33	ARK2	ARK700I/2 (PTR)	4	X1, X2			RM5 (5.08), 2 pin
34	ARK3	ARK700I/3 (PTR)	1	X3			RM5 (5.08), 3 pin
35	DIP8	DIL08PZ (socket)	2	IC1,IC2			
36	PCB		1			PM	
37	Heatsink	SK 95 25 2 X M3	4	KK1, KK2, KK3, KK4	SK 95 25 2 X M3	Fischer	<a href="http://www.fischerelektronik.de">www.fischerelektronik.de</a>
Total			125				