

P4BOM

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TuBika										
Ref	Description	Package	Value	Qty	Mouser	Farnell	Reichelt	Digikey	4UCON	Others
R19, R29, R32, R33	Metal film resistor 1%		220	4	660-MF1/4DCT52R2200F	9341528	METALL 220	221XBK-ND		
R5, R8, R9, R20, R24,	Metal film resistor 1%		470	8	660-MF1/4DCT52R4700F	9341943	METALL 470	475XBK-ND		
R1, R12, R14	Metal film resistor 1%		2.2k	3	660-MF1/4DCT52R2201F	9341536	METALL 2,20K	2.21KXBK-ND		
R17, R21, R34	Metal film resistor 1%		10k	3	660-MF1/4DCT52R1002F	9341110	METALL 10,0K	10.0KXBK-ND		
R2, R13, R15, R16, R1	Metal film resistor 1%		22k	5	660-MF1/4DCT52R2202F	9341544	METALL 22,0K	22.1KXBK-ND		
R3, R4, R6, R7, R10, R	Metal film resistor 1%		33k	10	660-MF1/4DCT52R3302F	9341757	METALL 33,0k	33.2KXBK-ND		
R28	Trimmer	Bourns P	5k	1	81-PV36P502C01B00	9353127	64P-5,0K	490-2869-ND		
C31, C32	Ceramic	2.5mm pitch	22p	2	594-K220J15C0GF5TL2	1694229	KERKO 22P	478-4846-ND		
C4	Ceramic	2.5mm pitch	100p	1	594-K101K15C0GF53L2	1694179	KERKO 100P	399-4142-ND		
C7, C13, C19, C23	Polystyrene, 2.5%	Axial	220p	4	23PS122	9520031	STYROFLEX 220P			
C9, C10, C21, C22	Ceramic	2.5mm pitch	560p	4	594-K561J15C0GF5TL2	1694150	KERKO 560P	445-4780-ND		
C2, C3, C5, C6, C8, C1	Ceramic	2.5mm pitch	100n	16	75-1C10Z5U104M050B	1216444	X7R-2,5 100N	BC1148CT-ND		
C26	Ceramic. 100n replacement is acceptable	2.5mm pitch	220n	1	810-FK18X5R1E224K	3322592	X7R-2,5 100N	445-4806-ND		
C1, C27	Electrolytic NP, >35V	2.5mm pitch	4.7u	2	647-UVP1E4R7MDD	1236689				
C14, C25, C33	Electrolytic, >= 15V, height <= 7mm	2.5mm pitch	100u	3	140-SEA101M1CBK0607	8766878		P833-ND		
D1, D2	Zener Diode	DO35	3.6V	2	771-BZX79-B3V6113	1097230	ZF 3,6	568-7951-1-ND		
D3	Zener Diode	DO35	4.7V	1	771-BZX79-B4V7113	1097274	ZF 4,7	568-7937-1-ND		
Q1, Q2	2N3906 PNP	TO92 Kinked		2	512-2N3906TA	1704728	2N 3906	2N3906FS-ND		
LED1	T1 3mm green			1	604-WP3A8GD	1142502	LED 3MM ST GN	P607-ND		
LED2	T1 3mm orange			1	604-WP7104LYD	1581134	LED 3MM ST GE	P608-ND		
Q3	Quartz	HC49	20 MHz	1	717-9B-20.000MAAJ-B	1701141		887-1023-ND		
IC4	V2164 quad VCA	DIP16		1						CoolAudio
IC3, IC5	TL072 dual op-amp	DIP8		2	595-TL072CP	1103005	TL 072 DIP	497-2201-5-ND		
IC1	TL074 quad op-amp	DIP14		1	595-TL074CN	9755934	TL 074 DIL	497-2205-5-ND		
IC2	LM13700 OTA	DIP16		1	926-LM13700N/NOPB	1651866	LM 13700 DIL	LM13700N-ND		
IC6	MCP4822 dual 12 bit DAC with 4.096 VRef	DIP8		1	579-MCP4822-E/P	1439413		MCP4822-E/P-ND		
IC7	ATMega328p MCU, 20MHz	DIP28		1	556-ATMEGA328P-PU	1715487		ATMEGA328P-PU-ND		
	DIP8 socket	DIP8		3	571-1-390261-2	1101345	GS8	A100204-ND	4771	
	DIP14 socket	DIP14		1	571-1-390261-3	1101346	GS14	A100205-ND	4774	
	DIP16 socket	DIP16		2	571-1-390261-4	1101347	GS16	A100206-ND	4775	
	DIP28 socket	DIP28		1	571-1-390261-9	1307839	GS 28P-S	A100210-ND	4781	
	Male 2x3 header, 2.54mm			1	649-67996-406HLF	1022230	SL 2X10G 2,54	3M9459-ND	989	
	Female 1x6 header, 2.54mm			2					18688	
	Male 1x3 header, 2.54mm			2	649-77311-118-03LF	1668490	SL 1X36G 2,54	HTSW-103-14-L-S-LL-I	19631	
Jumpers	2.54 Shunt jumper			2	517-9691020000DA	1740370	JUMPER 2,54 SW	A31697-ND	5726	
	PCB	118.7x60.3		1	TubeOhm					