V1.03		**SMR4P-Multi**											
06.12.17		**BOM**											
:					RS	Farnell	Reichelt	Mouser	TME	Thonk /UK	Conrad BIZ	EVE.de	
Pos	Anzahl	Name	Wert	Anzahl									
1	8	3,5MM buchse/Jack	3,5 mm Buchse	8						Thonkingkong			
	8	Nuts for 3,5mm audio Buchse		8									
3	28	C3,C4,C6,C8,C9,C11,C14,C15,C18,C21,C24,C31,C33,C35,C49,C50,C51,C52,C53,C39,C40,C41,C42,C43,C44,C46,C47,C48	100n	28	1310	1216438	X7R-2,5 100n	75-1C10Z5U104M050B	**CM-100N/S**				
4	4	C5,C22,C25,C34	330p	4			FKP02-100 330 pF	FKP0C003300BHGSD					
5	3	C7,C12,C17	3,3n	3		1216424	X7R-2,5 3,3N						
6	1	C10	220nF	1		1141778	Z5U-2,5 220N	810-FK18Y5V1H224Z					
7	4	C13,C30,C32,C36	4,7µF	4		1902002	**SM 4,7/50RAD**						
8	4	C16,C27,C29,C37	100p	4		1694179	KERKO 100P	594-K101K15C0GF53L2					
9	1	C19	10n	1		1216435	X7R-2,5 10N	810-FG18C0G2A103JRT6					
10	2	C20,C23	10pF	2		1694176	KERKO 10P	594-K100K15C0GF53L2					
11	2	C38,C45	100uF	2		1902049	SM 100/16RAD	140-SEA101M1CBK0607					
13	4	Potis Alps	10k	4				688-RK09D1130C2P					
14	1	D1	1N4148	1		1612346	1N 4148	78-1N4148-TAP					
15	2	D16,D17	1N5819	2		9801219	1N 5819	512-1N5819					
	****15	D19,D20,D21,D22,D23,D24,D25,D26,D27,D28,D29,D30,D31,D32,D33	Green	****15			V322	604-WP424GDT	L-424GDT				
16	15	D19,D20,D21,D22,D23,D24,D25,D26,D27,D28,D29,D30,D31,D32,D33	Orange	15			V 321	604-WP424EDT					
18	2	F1,F2 = Resistor 3,3 Ohm	FUSE 200 mA	2					**LX012-V2**				
21	1	IC1	Atmega328P-PU	1		1715487	ATMEGA 328P-PU	556-ATMEGA328P-PU					
22	3	IC2,IC14,IC15	LM13700N	3		1651866	LM 13700 DIL	926-LM13700N/NOPB					
23	1	IC3	78L08	1		2323587	µA 78L08	863-MC78L08ABPG					
24	1	IC4	MOS4051N	1		2135100	MOS 4051	595-CD4051BE	CD4051BE				
25	2	IC5,IC6	TL074ACN	2		2749039	TL 074 ACN	595-TL074CNE4					
26	3	IC7,IC8,IC12	TL072ACP	3		1106015	TL 072 DIP	595-TL072CP					
27	1	IC9	79L08	1		1924636	µA 79L08	511-L79L08ACZ-AP	L79L08ACZ-AP				
28	1	IC10	78L05	1		2342557	µA 78L05	511-L78L05CZ	**L78L05ACZ**				
30	1	IC13	MOS4053	1		1106110	Mos 4053	595-CD4053BE	**CD4053BE**				
31	1	K1	ISP	1		***	SL 2X40G 2,54						
32	1	K2	Power Male2x5	1		2667453	SL 2X40G 2,54						
33	2	K3,K5	Stiftleiste_2x10_G_2,54	2		***	**						
34	2	K4,K7	K2X10_BUCHSE	2			MPE 094-2-020					BL10/2G8	
35	1	K6	Stiftleiste_2x08_G_2,54	1		***	**						
36	1	K8	K2X06_BUCHSE	1		***	MPE 094-2-012		ZL262-12DG			**BL6/2G8**	
37	1	K9	K2X08_BUCHSE	1					ZL262-16DG		1492298	BL8/2G8	
38	1	K10	Stiftleiste_2x06_G_2,54	1		***	SL 2X40G 2,54						
39	3	L2,L3,L4	10µH	3		608488	**SMCC 10µ**	542-78F100-RC	DLA10-N				
48	1	R2	12k	1		2401783	Metall 12,0k						
49	11	R69,R3,R4,R15,R25,R26,R42,R43,R46,R47,R50	100k	11		2401807	Metall 100k	660-MFS1/2DCT52R1003					
50	4	R5,R6,R7,R8	470	4		2401744	Metall 470	MFS1/4DCT52R4700F					
52	1	R10	82k	1		2401805	Metall 82,0k	660-MF1/4DCT52R8202F					
53	1	R11-Poti	20K	1		1601387	64Z-20K		**T910Z-20K**				
54	4	R12,R20,R57,R67	22k	4		2401789	Metall 22,0k	660-MF1/4DCT52R2202F					
55	1	R13	33k	1		2401793	Metall 33,0k	660-MF1/4DCT52R3302F					
56	1	R14	47k	1		2401798	Metall 47,0k	660-MF1/4DCT52R4702F					
57	14	R1,R16,R17,R27,R28,R30,R32,R34,R35,R36,R37,R41,R55,R63	10k	14		2401780	Metall 10,0k	660-MF1/4DCT52R1002F					
58	5	R18,R29,R31,R39,R72	220	5		2401736	Metall 220	660-MF1/4DCT52R2200F					
59	2	R19,R58	1k	2		2401753	Metall 1,0k	660-MF1/4DCT52R1001F					
60	2	R21,R38	15k	2		2401785	Metall 15,0k	660-MF1/4CCT52R1502F					
61	1	R22	120k	1		2401809	Metall 120,0k	603-MFR-25FTE52-120k					
62	3	R23,R65,R71	2,2k	3		2401762	Metall 2,20k	660-MF1/4DCT52R2201F					
63	1	R24	115k	1		9464107	Metall 115,0k	603-MFR-25FBF52-115K					
64	1	R33	68k	1		2401803	Metall 68,0k	603-MFR-25FRF52-68K					
65	2	R44,R68	47k	2		2401798	Metall 47,0k	603-MFR-25FTE52-47K					
66	3	R48,R49,R52	33.2k	3		9467360	Metall 33,2k	660-MF1/4DCT52R3322F					
67	6	R53,R54,R9,R40,R45,R51	49,9k	6		9468595	Metall 49,9k	660-MF1/4DCT52R4992F					
68	1	R56	16.5k	1		9464840	Metall 16,5k	660-MF1/4DCT52R1652F					
69	2	R59,R61	68	2		2401723	Metall 68	660-MF1/4DCT52R68R0F					
70	1	R60	510k	1		2401826	Metall 510,0k	603-MFR-25FBF52-510K					
71	1	R62	4,7k	1		2401772	Metall 4,70k	660-MFS1/2DCT52R4701					
72	1	R64	27k	1		2401791	Metall 27,0k	603-MFR-25FRF52-27K					
73	1	R66	180k	1		2401814	Metall 180,0k	603-MFR-25FBF52-180K					
75	1	R70	86,6k	1		9470379	Metall 86,6k	603-MFR-25FRF52-86K6					
76	1	R73	24.9k	1		9466312	Metall 24,9k	660-MF1/4DCT52R2492F					
78	4	T1,T2	3906	4		1574372	**2N 3906**	610-2N3906	**2N3906BU**				
80	1	X4	MCP6002-I/P	1	403-036	1292245	**MCP 6002-I/P**	579-MCP6002-I/P	**MCP6002-E/P**				
	1		Platine/PCB	1			TubeOhm						
	1		Blende/Frontpannel	1			TubeOhm						
	4	DIY modul	Knobs plastic	4						Davis Clone D-Shaft			
	4	*** only for a ready build modul	Knobs metall	4		optional							
	1	IC Socket 28 pol/Atmega		1		2445626							
	4	IC Socket 8 pol		4		2668408	GS 8						
	2	IC Socket 14 pol		2		2445621	GS 14						
	5	IC Socket 16 pol		5		2445622	GS 16						
	2	Distanzhülse 10mm		2					**214X10**				
	4	Washer 3,2x0,5mm /plastic		4									