

Updated parts list for PWB build with Sam Smith gain mod

Quantity	Reference	Part	Note		
3	C1,C13,C36	100uf	Radio Shack 270-1028	0.99	2.97
7	C2,C3,C4,C9,C17,C24,C32	.1uf	Cermaic Cap from junk box	0.5	3.5
2	C5,C6	510pf	Silver Mica Junk box	0.5	1
4	C7,C10,C30,C33	1uf	Cermaic Cap CK06 package105K / 50volt	0.5	2
4	C8,C11,C15,C21	.01uf	Radio Shack 272-131	0.49	1.96
1	C12	10uf	Radio Shack272-1025	0.59	0.59
1	C14	220uf	Radio Shack 272-956	0.99	0.99
1	C16	0.1uf	Radio Shack	0.5	0.5
3	C18,C23,C26	470pf	Silver Mica Junk box	0.5	2
1	C19	120pf	Silver Mica Junk box	0.5	0.5
2	C27,C20	5.5 - 45Pf	Newark17F199 Johanson pn 9304	1.14	2.28
1	C22	12-100pf	Newark 50F3949 Johanson pn 9328	1.14	1.14
1	C25	51Pf	Silver Mica Junk box	0.5	0.5
2	C37,C28	.001uf	Radio Shack	0.59	1.18
1	C29	68pf	Silver Mica Junk box	0.5	0.5
1	C34	.22uf	Cermaic Cap from junk box	0.49	0.49
1	C35	200pf	Silver Mica Junk box	0.5	0.5
1	D1	D1N4735	6.2 Volt Radio Shack 276-561A	0.99	0.99
2	D2,D4	NTE618	TV Parts store (walker electronics)	2.5	5
1	D3	MBRS140T3	Newark MBRS140T3	0.5	0.5
1	FL1	TK2330-ND	Digikey	2.65	2.65
1	J1	PHONEJACK STEREO	Radio Shack	1.5	1.5
1	L1	6 TURNS # 28	See text in word doc		
1	L2	5 TURNS #28	See text in word doc		
1	L3	150uH	Digikey DN41154-ND	1.33	1.33
1	L4	6.8uhy	Digikey M8023-ND	1.44	2.88
2	Q3,Q1	MPF102	Radio Shack 276-2062	0.99	1.98
1	R3	50k Knob Pot	R3 10 Turn Knob pot from surplus store. (Bourns 3600S-1-503)	2	2
1	R1	50K Pot	R1 Small Junkbox Pot	2	2
2	R8,R13	10K	1/4 Watt radio Shack	0.5	1
1	R16	10K PCB Pot	Radio Shack 271-282	0.49	0.49
1	R4	22	1/2 Watt Radio Shack 271-1103	0.99	0.99
1	R5	750	1/4 Watt NTE QW175	0.99	0.99
1	R6	470	1/4 Watt radio Shack 271-1317	0.99	0.99
2	R7,R10	10	1/2 Watt Radio Shack 271-1101	0.99	1.98
1	R9	1.5k	1/2 Watt radio Shack 271-1120	0.99	0.99
1	R11	270	1/4 Watt nte QW127	0.99	0.99
1	R12	100	1/4 Watt nte QW110	0.99	0.99
1	R14	220	1/4 Watt nte QW122	0.99	0.99
2	R20,R15	1meg	1/4 Watt nte QW510	0.99	1.98
1	R21	1K	1/4 Watt radio Shack 271-1321	0.99	0.99
1	R23,24	100K pcb mount trimpot	Newark 04F6921 Bourns 3299Y-1-104 25 turn pcb mount trimpot (series 32	2	2
1	SW1 & R2	power sw and 10K Pot	Volume control Radio Shack 271-215B	2	2
1	SW2	SW SPST	From Junk Box, Check Radio shack	3.95	3.95
1	T1	T50-2 core	Amidon. Wind with #28 wire wrap wire. 32 turns PRI / 3 Turns SEC	1	1
1	U1	MC1350	NTE746 Purchase at any TV parts store (walker electronics)	3.4	3.4
2	U4,U2	NE602A	Radio Shack Unlimited RSU 11928173	3.49	6.98
1	U3	LM386	Radio Shack 276-1731	1.19	1.19
1	X1	455khz	Digikey TK9942-ND	1.46	1.46
1	Box	8 X 3X 1 inch box	Radio Shack 270-1808	3.5	3.5
			total	78.78	all new parts