

Bill of Material for	E:\CREG\NEW\RADIO\PCBF								Cost for
Use Part Type	Designator	Footprint	Type	Supplier	Code	price	min qty	no. used	
1 Bridge	B1	SD198	0.5A	Farnell	505-808	4.5	5	4.5	
2 100pF	C1 C2	1206	Ceramic	Farnell	499-274	0.7	10	1.4	
4 180pF	C10 C11 C12 C13	1206	Ceramic	RS	211-2745	0.56	50	2.24	
10 100nF	C100 C25 C38 C40 C45 C48 C49 C55 C63 C8	1206	ceramic	Farnell	499-390	0.69	10	6.9	
3 4n7	C14 C23 C61	1206	ceramic	Farnell	499-341	0.69	10	2.07	
7 1nF	C15 C16 C17 C65 C7 C9 C70	1206	Ceramic	Farnell	499-316	0.89	10	6.23	
3 47nF	C18 C19 C4	1206	Ceramic	Farnell	499-377	0.89	10	2.67	
3 220nF	C20 C21 C22	1206	Ceramic	Farnell	499-407	1.1	10	3.3	
1 1000uF 16V	C24	AXIAL1.0	Electrolytic	Farnell	912-967	2.1	5	2.1	
10 1uF	C26 C27 C28 C29 C31 C32 C39 C52 C6 C67		Ceramic	Farnell	499-717	3.77	10	37.7	
5 10nF	C3 C34 C35 C5 C62	1206	Ceramic	Farnell	499-353	0.69	10	3.45	
4 10uF	C30 C46 C68 C69	3528	Tantalum	Farnell	967-117	1.79	5	7.16	
1 2u2F	C33	3528	Tantalum	Farnell	967-154	1.79	5	1.79	
1 7-50pF	C37	1808	Variable cap	Farnell	578-332	10.4	5	10.4	
3 20pF	C41 C51 C66		ceramic	Farnell	499-249	0.7	10	2.1	
3 0.47uF	C42 C43 C47	1206	Ceramic	Farnell	499-705	1.5	10	4.5	
2 220pF	C50 C54	1206	Ceramic	Farnell	499-286	0.7	10	1.4	
1 330pF	C53		Ceramic	Farnell	499-298	0.7	10	0.7	
1 33nF	C56		ceramic	Farnell	498-634	0.5	10	0.5	
4 68nF	C57 C58 C59 C60		Polypropylene	RS	166-6471	8.41	10	33.64	
1 330nF	C64		ceramic	Farnell	578-253	3.59	10	3.59	
2 GF1A	D1 D4	SMdiode	SMdiode	Farnell	251-460	0.91	10	1.82	
2 DUO-DIODE	D2 D5	SOT-23	2 diodes	Farnell	994-534	2.1	5	4.2	
1 CFJ455K5/CFM455J/CFS455J	F1	CFJ filter	Ceramic filter	Cirkit	16-45595	159	1	159	
1 CFM2-455A	F2	SIP3	Mechanical filter	Cirkit	19-45530	7.1	1	7.1	
1 3A Fuse	F3	MLL41	3A Fuse	RS	219-6181	3	1	3	
1 CON8	J1	SIP8	Straight 8 way Connecto	Farnell	143-143	5.8	10	5.8	
1 CON2	J2	CON2	3.96mm straight	Farnell	589-044	1.36	5	1.36	
1 26PIN	J3	IDC26	DIP connector	Farnell	864-882	13.86	1	13.86	
1 CON5	J4		Straight 5 way connector	Farnell	146-698	4	10	4	
5 RWO6A6408 360uH	L1 L10 L12 L2 L9	10EZ	Variable coil	Cirkit	35-64080	5.2	1	26	
2 1mH	L11 L8		Inductor	Farnell	598-239	7.45	2	14.9	
1 1mH	L3		Inductor	Farnell	200-487	6.48	1	6.48	
4 10uH	L4 L5 L6 L7	1812	Inductor	Farnell	200-360	7.7	10	30.8	
3 SST310	Q1 Q2 Q3	SOT-23	SMC FET	Farnell	739-250	9.01	5	27.03	
1 DUO NPN/PNP	Q4	SD254	BCW 30	Farnell	663-098	2.66	5	2.66	
1 PNP	Q5	SOT-23	BC858C	Farnell	934-252	0.44	5	0.44	
1 NPN	Q6	SOT-23	Transistor	Farnell	934-215	0.44	5	0.44	
3	270 R1 R36 R53	1206	Resistor	Farnell	613-630	0.23	50	0.69	
6 4k7	R10 R52 R62 R65 R9 R85	1206	Resistor	Farnell	613-782	0.23	50	1.38	
2 47k	R19 R24	1206	Resistor	Farnell	613-903	0.23	50	0.46	
5 100k	R11 R13 R25 R84 R81 R18	1206	Resistor	Farnell	613-940	0.23	50	1.15	
16 10K	R14 R20 R21 R22 R23 R39 R40 R51 R71 R72 R78 R79 R80 R83 R7	1206	Resistor	Farnell	613-824	0.23	50	3.68	
6 1M	R15 R45 R46 R70 R73 R8	1206	Resistor	Farnell	614-063	0.23	50	1.38	
2	100 R17 R59	1206	Resistor	Farnell	613-587	0.23	50	0.46	
8 1k	R2 R3 R4 R5 R50 R6 R66 R74	1206	Resistor	Farnell	613-708	0.23	50	1.84	
1 15k	R27	1206	Resistor	Farnell	613-848	0.23	50	0.23	
6 2k2	R28 R29 R33 R34 R35 R37	1206	Resistor	Farnell	613-745	0.23	50	1.38	
2	470 R30 R63	1206	Resistor	Farnell	613-666	0.23	50	0.46	
3 3M3	R32 R56 R57	1206	Resistor	Farnell	421-133	0.23	50	0.69	
4 20k	R38 R41 R60 R61	1206	Resistor	Farnell	420-694	0.26	50	1.04	
2 11k	R42 R43	1206	Resistor	Farnell	420-633	0.26	50	0.52	
2 220k	R44 R82	1206	Resistor	Farnell	613-988	0.23	50	0.46	
2	2.2 R54 R55	2512	Resistor	RS	224-0058	1.955	10	3.91	
1 Varistor	R58		Varistor	Farnell	968-146	5.14	5	5.14	
1 RELAY-DPDT	RL1	RELAY10	Relay 12V 2A/250Vac	Farnell	177-826	33.2	1	33.2	
4 IT244	T1 T2 T3 T4	IT244	Pulse transformer	RS	178-9704	29.75	4	119	
1 OPA2604AU	U1	SO-8	Dual op amp	RS	288-834	25.15	1	25.15	
1 74HC21	U10	SO-14	AND gate	Farnell	558-734	2.52	1	2.52	
1 TDA7052A	U11	DIP8	Audio amp	RS	819-674	8.9	1	8.9	
1 LM393	U12	SO-8	Comparator	Farnell	404-329	4	1	4	
1 TDA7256	U13	MULTI11	Power amp	Farnell	699-482	44.33	1	44.33	
1 SOUNDCHIP	U14		M66T-215	MAPLIN	GX60Q	5.9	1	5.9	
1 AD607	U2	SSOP20	Mixer/IF amp/Mixer	RS	201-8918	90.7	1	90.7	
1 TL082	U3	SO-8	Dual op amp	Farnell	594-520	8.36	1	8.36	

note: RS codes refer to RS France numbers