

## Bill of Materials

C1, C2, C3, C6, C17, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C31, C34, C39, C40, C70, C71, C72, C73, C74, C75, C78, C85, C86, C87, C88, C89	100n (marked 104)	R42, R43, R52, R56, R60, R71	100 (brown-black-brown)
C4	470 NP0 (marked 471)	R7, R17, R70	470 (yellow-violet-brown)
C35, C38	470 (marked 471)	R9, R19, R44	51 (green-brown-black)
C5	270 NP0 (marked 271)	R10, R12, R62	300 (orange-black-brown)
C7, C14, C41, C48		R11, R80	18 (brown-gray-black)
C8, C15, C36, C42, C49, C77		R21	68 (blue-gray-black)
C9, C13, C18, C37, C43, C47	45 trimmer	R23, R69	1.5k (brown-green-red)
C10, C12, C44, C46	100 (marked 101)	R24, R25, R30, R46, R75, R81, R82	2.2k (red-red-red)
C11, C45	2.2	R26, R32, R85	220 (red-red-brown)
C16	15 NP0	R28	4.7 (yellow-violet-gold)
C19	33 NP0	R29, R31	1k (brown-black-red)
C30	220 (marked 221)	R34	10 (brown-black-black)
C32	47 NP0	R38	10k center detent pot
C33, C50, C51, C84	1u	R45, R86, R89	3.3k (orange-orange-red)
C52, C66, C69	220u	R58	47k (yellow-violet-orange)
C53, C54	22u	R59	5.6k (green-blue-red)
C55, C56, C57, C59, C60, C61, C76, C83	10n (marked 103)	R61, R87	3k (orange-black-red)
C58, C62, C63, C64, C65, C67	10u	R63	10k audio taper pot
C68	100u	R66	150k (brown-green-yellow)
C79, C82	180 (marked 181) (50 WVDC)	R67	22k (red-red-orange)
C80, C81	390 (marked 391) (50 WVDC)	R72, R73	1 (brown-black-gold)
C90, C91	1n Feedthrough (not on schematics)	R74	200 trim pot
D1, D6	MV209	R76	680 (blue-gray-brown)
D2, D3, D4, D5, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19	1N4148	R77	33 (orange-orange-black)
J1	Phones	R78	47 (yellow-violet-black)
J2	Antenna	R79	12 (brown-red-black)
J3	Key	R80	18 (brown-gray-black)
L1	FT37-43 12T 43u	R88	560 (green-blue-brown)
L2, L3, L8, L9, L12, L14	T37-6 16T 738n	T1, T6, T7	FT37-43 10T trifilar
L4	5.6u molded	T2, T3, T4, T8, T9	FT37-43 10T bifilar
L5	T37-6 10T 284n	T5	FT37-43 15T:3T
L6, L7	T37-6 30T 2.7u	T10	BN43-302 5T bifilar
L10	FT50-43 85T 2.7m	VR1	78L08
L11	T50-2 34T 5.68u	X1	4.000 MHz ceramic resonator
L13	T37-6 17T 866n	X2	18.000 MHz crystal
Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q10, Q11, Q12, Q13, Q14, Q17, Q18, Q19, Q26	PN2222A		
Q8, Q15, Q16	2N7000		
Q9	J310		
Q20	2N4401		
Q21, Q24, Q25	2N4403		
Q22	2N5109		
Q23	2SC5739		
R1	5k trim pot		
R2	10k linear taper pot		
R3, R13, R36, R40, R47, R64, R65, R90	100k (brown-black-yellow)		
R4, R14, R48, R49, R68, R83, R84	10k (brown-black-orange)		
R5, R15, R50, R51, R53, R54, R55, R57	4.7k (yellow-violet-red)		
R6, R8, R16, R18, R20, R22, R27, R33, R35, R37, R39, R41,			