

VHF_REV5_K1 Bill of Materials

Qty	Value	Device	Parts	MEN_RAD_PN
34	0.01uF	C-USC0603	C11, C12, C87, C108, C125, C128, C137, C155, C157, C158, C159, C179, C198, C199, C227, C228, C232, C243, C244, C248, C249, C252, C263, C328, C329, C330, C333, C345, C346, C349, C373, C374, C377, C381	220113-103
15	0.1uF	C-USC0402	C63, C270, C274, C276, C281, C283, C286, C288, C290, C292, C294, C299, C301, C303, C305	222102-104
43	0.1uF	C-USC0603	C31, C36, C37, C42, C45, C48, C50, C51, C53, C61, C71, C72, C111, C120, C131, C134, C139, C141, C152, C153, C193, C195, C201, C219, C220, C226, C255, C273, C284, C285, C307, C312, C323, C324, C325, C326, C331, C332, C347, C348, C350, C355, C380	220113-104
5	0.022uF	C-USC0603	C101, C121, C140, C154, C168	220113-223
1	0.47uF	C-USC0603	C160	222103-474
14	1.0uF	C-USC0805	C16, C52, C122, C171, C177, C231, C266, C272, C306, C313, C314, C315, C361, C378	220114-105
1	1.3pF	C-USC0603	C76	222103-1C3
1	2.0pF	C-USC0603	C185	222103-2C0
5	2.2uF	C-USC0805	C143, C161, C207, C296, C297	220124-225
2	4.7pF	C-USC0603	C145, C146	222103-4C7
4	4.7uF	C-USC0805	C261, C277, C317, C318	222106-475
2	5.6pF	C-USC0603	C34, C147	222103-5C6
13	6.8pF	C-USC0603	C6, C29, C94, C98, C106, C129, C138, C148, C150, C164, C235, C236, C258	222103-6C8
2	8.0pF	C-USC0603	C33, C35	222103-8C0
6	10pF	C-USC0603	C39, C40, C162, C165, C167, C209	220103-100
1	10pF	C-USC1206	C170	220114-100
40	10uF	C-USC0805	C2, C4, C17, C32, C66, C69, C88, C89, C92, C99, C100, C102, C109, C113, C115, C123, C126, C132, C135, C144, C183, C197, C204, C212, C221, C222, C229, C233, C237, C260, C262, C308, C319, C320, C321, C322, C344, C353, C359, C362	220106-106
5	10uF	C-USC1206	C62, C254, C267, C316, C339	220126-106
1	12pF	C-USC0603	C46	222103-120
1	13pF	C-USC0603	C93	222103-130
1	15pF	C-USC1206	C259	220114-150
4	18pF	C-USC0603	C28, C116, C364, C366	222103-180
2	22pF	C-USC1206	C239, C269	220114-220
1	22uF	C-USC0805	C242	220114-226
1	24pF	C-USC0603	C163	222103-240
3	27pF	C-USC0603	C176, C370, C371	222103-270
1	30pF	C-USC1210	C200	222207-300
1	30pF	C-USC0603	C215	222103-300
1	33pF	C-USC0603	C366	222103-330

3	36pF	C-USC0603	C74, C214, C234	222103-360
3	39pF	C-USC0603	C57, C59, C77	222103-390
3	47pF	C-USC0603	C21, C64, C192	222103-470
2	47pF	C-USC1210	C238, C265	222207-470
2	68pF	C-USC0603	C208, C365	222103-680
1	82pF	C-USC0603	C5	222103-820
15	100pF	C-USC0402	C75, C268, C271, C275, C278, C282, C287, C289, C291, C293, C295, C298, C300, C302, C304	222102-101
22	100pF	C-USC0603	C7, C20, C55, C60, C70, C73, C86, C166, C188, C189, C205, C224, C225, C246, C247, C251, C253, C279, C280, C357, C358, C363	222103-101
1	100pF	C1111	C182	222207-101
2	100uF	CPOL-US140CLH-6810	C337, C351	225103-107
2	100uF	CPOL-USCT3528	C3, C43	220127-107
2	110pF	C-USC0603	C105, C107	222103-111
29	150pF	C-USC0603	C14, C19, C23, C24, C27, C38, C54, C56, C65, C80, C83, C84, C85, C96, C119, C124, C127, C130, C133, C136, C149, C151, C169, C174, C180, C187, C309, C327, C354	222103-151
1	150pF	C1111	C142	222207-151
1	200pF	C1111	C186	222207-201
1	330pF	C-USC1206	C203	220114-331
1	330pF	C1111	C172	22016-331
4	470pF	C-USC0603	C8, C10, C245, C335	222103-471
3	470pF	C-USC1206	C1, C49, C202	220106-471
3	470pF	C1111	C41, C67, C79	220106-471
6	470uF	CPOL-USSANYO_SMD_F8	C44, C68, C190, C191, C256, C257	225101-477
1	680pF	C-USC0603	C334	222103-681
36	1000pF	C-USC0603	C9, C13, C15, C18, C25, C26, C58, C81, C82, C91, C95, C97, C110, C114, C117, C173, C175, C178, C184, C194, C196, C206, C211, C213, C216, C217, C218, C230, C250, C341, C342, C352, C356, C375, C376, C379	220103-102
1	1000pF	C-USC1206	C241	220106-102
1	1000pF	C1111	C90	220107-102
2	1200pF	C-USC0603	C156, C340	220114-122
1	2700pF	C-USC0603	C338	222103-272
2	6800pF	C-USC0603	C264, C343	222103-682
2	MA4P1250	MA4P1250	CR1, CR2	300008
1	1N5819	DIODE-SOD123	D6	300003
4	SMP1340-074	BAP64	D3, D4, D8, D9	300013
2	SMS7630	SMP1340	D11, D12	300010
3	SMV1236-079	SMV1251	D1, D2, D10	300005
2	BP-FILT2	BP-FILT2	FL1, FL2	312002
5		22-23-2021	J6, J8, J9, J10, J11	?
1		1814807	J1	503003
1		MTA06-100	J20	?
1		PINHD-1X4	J14	?
1	USB-B-F	USB-B-F	J12	501003
1	USB-A-F-VERT	USB-A-F-VERT	J13	501002

1	0.75" HP 20 AWG	IND_AIRWOUND	L58	
2	1.0uH	L-USL0603	L8, L47	241003-102
1	2.0nH	WE-KI_0603_B	L31	241003-2L0
1	2.2nH	WE-KI_0603_B	L23	241003-2L2
1	2.2uH	IND_AIRWOUND	L56	243000-222
1	2.2uH	L-USL3225M	L22	
1	2.5uH	PE-53681	L20	243000-252
2	3T 0.17D 20 AWG	IND_AIRWOUND	L61, L64	25007
1	3.9nH	L-USL0603	L12	241003-3L9
1	5.1nH	Hairpin	L3	
1	5.1nH	WE-KI_0603_B	L42	240003-5L1
1	5T 0.12D 20 AWG Varnish	IND_AIRWOUND	L41	25006
1	6.8nH	WE-KI_0603_B	L32	240003-6L8
2	8.2nH	L-USL0603	L11, L24	241003-8L2
1	8.2nH	WE-KI_0603_B	L44	240003-8L2
2	10nH	L-USL0603	L13, L55	241003-100
1	12nH	L-USL0603	L60	240003-120
3	12nH	WE-KI_0603_B	L6, L34, L39	240003-120
1	15nH	L-USL0603	L43	241003-150
1	15uH	ILHP-2020	L36	243000-153
1	18nH	IND_MINISPRING_A	L2	243100-180
2	18nH	L-USL0603	L48, L49	241003-180
1	18nH	WE-KI_0603_B	L4	240003-180
1	22nH	WE-KI_0603_B	L14	240003-220
3	27nH	L-USL0603	L17, L38, L63	241003-270
1	33nH	L-USL0603	L21	241003-330
2	33nH	WE-KI_0603_B	L46	240003-330
3	39nH	L-USL0603	L16, L33, L54	241003-390
1	39nH	WE-KI_0603_B	L46	240003-390
1	47nH	L-USL0603	L37	241003-470
3	47nH	WE-KI_0603_B	L18, L19, L26	240003-470
2	56nH	WE-KI_0603_B	L27, L30	240003-560
3	68uH	MSS1260	L1, L40, L50	243000-683
1	82nH	L-USL0603	L7	241003-820
6	100nH	L-USL0603	L15, L28, L29, L53, L57, L59	241003-101
5	220nH	L-USL0603	L10, L51, L52, L62, L66	241003-221
3	220nH	WE-KI_0603_B	L5, L25, L35	240003-221
1	BLM18RK121	WE-CBF_0603	L9	256001
1		Molex	P4	501009
1	87758-2616	87758-2616	P9	501005
1	DNP	C-GRID-06-70553	P10	?
2	JTAG	22-23-2072	P2, P7	?
1	22-23-2021	22-23-2021	P14	?
6	MMBT3904	MMBT3904_323	Q6, Q7, Q8, Q16, Q17, Q18	301007
1	BF908WR	BF908WR	Q2	302001
1	DMN5L06-7	DMN5L06W-7	Q4	301014
1	MRF1513	MRF1513	Q13	301009
1	MRF1550	MRF1550	Q5	301015
4	NE68519	NPNSOT323	Q11, Q12, Q15, Q22	301002
1	MTB50P03	On Semi	Q25	301018
1	NTR2101P	ON-NTR2101P	Q30	301013
4	PRF957	NPNSOT323	Q1, Q3, Q10, Q14	301008
2	Si2303CDS	Si2303	Q9, Q19	301017

19	0 ohm	R-US_R0603	C78, L65, R21, R103, R151, R153, R176, R190, R249, R250, R251, R252, R253, R254, R270, R271, R272, R273, R315	211003-0000
1	0.01	LVK_4TERMRES_1206	R74	200005-R010
6	0.05	LVK_4TERMRES_1206	R36, R73, R196, R197, R198, R199	200005-R050
1	0.33	R-US_R0603	R118	211003-0R33
30	1.00k	R-US_R0603	R7, R10, R11, R13, R20, R30, R31, R32, R43, R85, R86, R94, R95, R108, R121, R133, R135, R139, R140, R141, R142, R156, R157, R161, R162, R212, R229, R233, R269, R286	211003-1001
2	1.15k	R-US_R0603	R47, R267	211003-1151
3	1.8k	R-US_R0603	R193, R245, R260	211003-1801
1	1MEG	R-US_R0603	R18	211003-1004
3	2.2k	R-US_R0603	R12, R204, R210	211002-2201
2	2.49k	R-US_R0603	R56, R64	211003-2491
8	2.7k	R-US_R0603	R44, R49, R90, R91, R105, R191, R313, R317	211003-2701
1	3.01k	R-US_R0603	R158	211003-3011
4	3.3k	R-US_R0603	R46, R132, R231, R246	211003-3301
6	4.75k	R-US_R0603	R97, R202, R203, R205, R207, R259	211003-4751
4	4.99k	R-US_R0603	R27, R37, R50, R81	211003-4991
2	5.41k	R-US_R0603	R55, R62	211003-5411
2	6.04k	R-US_R0603	R16, R261	211003-6041
1	6.81k	R-US_R0603	R26	211003-6801
1	7.5k	R-US_R0603	R75	211003-7501
1	8.2k	R-US_R0603	R48	211003-8201
1	9.09k	R-US_R0603	R3	211003-9091
13	10	R-US_R0603	R63, R76, R77, R79, R80, R83, R134, R168, R169, R189, R283, R284, R287	211003-10R0
38	10k	R-US_R0603	R17, R35, R61, R78, R82, R89, R92, R93, R99, R100, R106, R120, R127, R145, R154, R177, R180, R186, R200, R208, R209, R228, R230, R232, R234, R236, R237, R238, R239, R240, R241, R242, R243, R244, R247, R248, R274, R275	211003-1002
1	11.3k	R-US_R0603	R235	211003-1122
2	13.7k	R-US_R0603	R29, R67	211003-1372
2	15	R-US_R1206	R98, R107	200005-150
2	17.4k	R-US_R0603	R62, R130	211003-1742
2	18	R-US_R0603	R60, R72	211003-18R0
4	18.2k	R-US_R0603	R159, R160, R262, R263	211003-1822
11	20k	R-US_R0603	R4, R57, R58, R101, R114, R116, R147, R155, R167, R195, R201	211003-2002
2	22.1k	R-US_R0603	R66, R71	211003-2212
1	24	R-US_R1206	R96	200005-240
6	30.1k	R-US_R0603	R9, R15, R164, R166, R264, R265	211003-3012
1	3ohm 5T 0.173D 20 AWG Varnis	PA_BIAS_FEED	RL2	25503
1	34.8	R-US_R0603	R170	211003-34R8
2	36	R-US_R0603	R24, R151	211003-36R0
1	36	R-US_R1206	R104	200005-360
1	43.2	R-US_R0603	R312	211003-43R2
2	47.5k	R-US_R0603	R183, R227	211003-4752
4	49.9	R-US_R0603	R29, R67, R117, R171	21103-49R9
2	51k	R-US_R0603	R66, R71, R144, R258	211003-5102
5	61.9	R-US_R0603	R34, R39, R41, R109, R110	211003-61R9
2	61.9k	R-US_R0603	R146, R194	211003-6192

2	68.1k	R-US_R0603	R256, R288	211003-6812
1	71.5	R-US_R0603	R173	21103-71R5
3	75	R-US_R0603	R19, R88, R310	21103-75R0
1	75ohm 1/2W 8T 20 AWG Varnish	PA_BIAS_FEED	RL1	25502
2	95.3	R-US_R0603	R172, R174	21103-95R3
7	100	R-US_R0603	R23, R45, R68, R84, R87, R225, R316	211003-1000
7	100k	R-US_R0603	R28, R138, R148, R149, R184, R185, R276	211003-104
3	110	R-US_R0603	R14, R126, R266	211003-1100
4	120 ohm 1W	R-US_R2512	R163, R182, R187, R188	210009-1200
8	150	R-US_R0603	R8, R22, R25, R38, R65, R123, R125, R257	211003-1500
4	221	R-US_R0603	R111, R136, R165, R282	211003-2210
1	270k	R-US_R0603	R53	211003-2703
2	274k	R-US_R0603	R55, R119	211003-2743
4	301	R-US_R0603	R52, R59, R69, R70	211003-3010
12	332	R-US_R0603	R2, R5, R6, R33, R40, R112, R113, R115, R122, R129, R192, R268	211003-3320
3	499	R-US_R0603	R54, R102, R226	211003-4990
1	500	R-TRIMM3296X	R255	213001-501
1	681	R-US_R0603	R128	211003-6810
8	BE1_BMIS-205-V2	BE1_BMIS-205-V2		510001
8	BMIS-205	BE1_BMIS-205	SH1, SH2, SH3, SH4, SH5, SH6, SH7, SH9	510001
3	FSA3157	FSA3157	SW1, SW2, SW3	600901
1	CX2156NL	ETC1-1-13	T1	254103
1	4in 25ohm	4:1UNUNA	T4	254101
2	4in 25ohm with ferrite	4:1UNUNB	T2, T3	254102
2	ABA-52563	ABA-51563	U34, U36	303009
1	AD8348	AD8348	U17	302002
1	FOX924B	FOX924B	U12	312003
2	AT45DB081D	AT45DB081D	U29, U35	304101
2	74LCX07M	74LCX07SOIC-14	U27, U28	309004
2	FT232RL	FT232RL	U38, U39	309003
6	MCP6002T	MCP6002T	U4, U14, U25, U30, U33, U43	303011
1	EL5220TIYZ	MSOP8	U10	303012
2	MAX7427EUA	MAX7427	U18, U20	303010
1	MB15E03L	MB15E03L	U32	313003
7	MCP601	MCP601	U2, U5, U8, U11, U13, U19, U26	303005
1	MSP430F5419	MSP430F5419	U37	305002
1	NCP1117-1.8	NCP1117-1.8V	U23	307005
1	NCP1117-3.3	NCP1117-3.3V	U15	307007
1	NCP1117-ADJ	NCP1117-ADJ	U24	307006
1	MC33063	MC33063ADJR	U6	307011
1	SKY72310	SKY72310	U3	313004
1	TMS28044-LQFP	TMS28044-LQFP	U16	306001
1	TPA1517	TPA1517	U31	303008
1	TPS60403	TPS60403	U22	307008
1	HMC426MS8E	HMC426MS8E	U9	314001
1	UPD5713TK	UPD5713TK	U1	600801
1	XC6201	XC6201	U40	307010
2	24LC64	24LC16B	U7, U21	304002
1	20.00 MHz	AWSCR-CV	X1	312002

1			PCB	
1			Mechanicals	
13	TBD	R-US_R0603	R137, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224	NA
13	DNP	C-USC0603	C22, C30, C47, C103, C104, C112, C181, C210, C223, C310, C311, C336, C368	NA
1	DNP	C-US1206	C240	NA
1	DNP	C-USC1210	C118	NA
6	DNP	R-US_R0603	R1, R42, R124, R150, R152, R175	NA