

VADER RF P. W. B

Symbol	Parts Name	Description		
C1	Ceramic(1608)	18PF	GRM39CH180J50PT	RF
C2	Ceramic(1608)	7PF	GRM39CH070C50PT	RF
C3	Ceramic(1608)	33PF	GRM39CH330J50PT	RF
C4	Ceramic(1608)	4PF	GRM39CH040D50PT	RF
C5	Ceramic(1608)	33PF	GRM39CH330J50PT	RF
C6	Ceramic(1608)	1PF	GRM39CK010C50PT	RF
C7	Ceramic(1608)	22PF	GRM39CH220J50PT	RF
C8	Ceramic(1608)	0.001uF	GRM39B102K50PT	RF
C9	Ceramic(1608)	0.001uF	GRM39B102K50PT	RF
C10	Ceramic(1608)	0.001uF	GRM39B102K50PT	RF
C11	Ceramic(1608)	22PF	GRM39CH220J50PT	RF
C12	Ceramic(1608)	12PF	GRM39CH120J50PT	RF
C13	Ceramic(1608)	0.001uF	GRM39B102K50PT	RF
C14	Ceramic(1608)	0.01uF	GRM39B103K50PT	RF
C15	-			RF
C16	Ceramic(1608)	0.001uF	GRM39B102K50PT	RF
C18	Ceramic(1608)	0.001uF	GRM39B102K50PT	RF
C19	Ceramic(1608)	5PF	GRM39CH050C50PT	RF
C20	Ceramic(1608)	18PF	GRM39CH180J50PT	RF
C21	Ceramic(1608)	7PF	GRM39CH070C50PT	RF
C22	Ceramic(1608)	0.5PF	GRM39CK0R5C50PT	RF
C23	Ceramic(1608)	7PF	GRM39CH070C50PT	RF
C24	Ceramic(1608)	5PF	GRM39CH050C50PT	RF
C25	Ceramic(1608)	18PF	GRM39CH180J50PT	RF
C27	Ceramic(1608)	1PF	GRM39CK010C50PT	RF
C28	Ceramic(1608)	1PF	GRM39CK010C50PT	RF
C29	Ceramic(1608)	0.001uF	GRM39B102K50PT	RF
C30	Ceramic(1608)	0.0068uF	GRM39B682K50PT	RF
C31	Ceramic(1608)	0.001uF	GRM39B102K50PT	RF
C32	Ceramic(1608)	0.001uF	GRM39B102K50PT	RF
C33	Ceramic(1608)	0.1uF	GRM39F104Z25PT	RF
C34	Ceramic(1608)	0.001uF	GRM39B102K50PT	RF
C35	Ceramic(1608)	0.001uF	GRM39B102K50PT	RF
C36	Ceramic(1608)	0.001uF	GRM39B102K50PT	RF
C37	Ceramic(1608)	0.001uF	GRM39B102K50PT	RF
C38	Ceramic(1608)	0.1uF	GRM39F104Z25PT	RF
C39	Ceramic(1608)	0.1uF	GRM39F104Z25PT	RF
C40	Ceramic(1608)	5PF	GRM39CH050C50PT	RF
C41	Ceramic(1608)	18PF	GRM39CH180J50PT	RF
C42	Ceramic(1608)	7PF	GRM39CH070C50PT	RF
C43	Ceramic(1608)	1PF	GRM39CK010C50PT	RF
C44	Ceramic(1608)	100PF	GRM39CH101J50PT	RF
C45	Ceramic(1608)	9PF	GRM39CH090D50PT	RF
C46	Ceramic(1608)	0.001uF	GRM39B102K50PT	RF

Symbol	Parts Name	Description		
C47	Ceramic(1608)	0. 001uF	GRM39B102K50PT	RF
C48	Ceramic(1608)	10PF	GRM39CH100D50PT	RF
C49	Ceramic(1608)	0. 001uF	GRM39B102K50PT	RF
C50	Ceramic(1608)	0. 5PF	GRM39CK0R5C50PT	RF
C51	Ceramic(1608)	10PF	GRM39CH100D50PT	RF
C52	Ceramic(1608)	0. 5PF	GRM39CK0R5C50PT	RF
C53	Ceramic(1608)	8PF	GRM39CH080D50PT	RF
C54	Ceramic(1608)	5PF	GRM39CH050C50PT	RF
C55	Ceramic(1608)	0. 001uF	GRM39B102K50PT	RF
C56	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	RF
C57	Ceramic(1608)	15PF	GRM39CH150D50PT	RF
C58	Tantalum	2. 2uF/16V	16MC225MA	RF
C59	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	RF
C60	Ceramic(1608)	27PF	GRM39CH270J50PT	RF
C61	Ceramic(1608)	4PF	GRM39CH040D50PT	RF
C62	Ceramic(1608)	39PF	GRM39CH390J50PT	RF
C63	Ceramic(1608)	12PF	GRM39CH120J50PT	RF
C64	Ceramic(1608)	22PF	GRM39CH220J50PT	RF
C65	Ceramic(1608)	0. 001uF	GRM39B102K50PT	RF
C66	Ceramic(1608)	47PF UJ	GRM39UJ470J50PT	RF
C67	Ceramic(1608)	56PF UJ	GRM39UJ560J50PT	RF
C68	Ceramic(1608)	0. 1uF	GRM39B104K16PT	RF
C69	Ceramic(1608)	0. 1uF	GRM39B104K16PT	RF
C70	Ceramic(1608)	180PF	GRM39CH181J50PT	RF
C71	Ceramic(1608)	27PF	GRM39CH270J50PT	RF
C72	Ceramic(1608)	0. 022uF	GRM39B223K25PT	RF
C73	Tantalum	33uF/6. 3V	TMCMC0J336MTR	RF
C74	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	RF
C75	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	RF
C76	Ceramic(1608)	0. 001uF	GRM39B103K50PT	RF
C77	Ceramic(1608)	0. 001uF	GRM39B103K50PT	RF
C78	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	RF
C79	Ceramic(1608)	0. 001uF	GRM39B102K50PT	RF
C80	Ceramic(1608)	0. 001uF	GRM39B102K50PT	RF
C81	Ceramic(1608)	33PF	GRM39CH330J50PT	RF
C82	Ceramic(1608)	22PF	GRM39CH220J50PT	RF
C83	Ceramic(1608)	0. 0022uF	GRM39B222K50PT	RF
C84	Ceramic(1608)	0. 0022uF	GRM39B222K50PT	RF
C85	Ceramic(1608)	10PF	GRM39CH100D50PT	RF
C86	Ceramic(1608)	33PF	GRM39CH330J50PT	RF
C87	Ceramic(1608)	0. 0022uF	GRM39B222K50PT	RF
C88	Ceramic(1608)	10PF	GRM39CH100D50PT	RF
C89	Ceramic(1608)	47PF	GRM39CH470J50PT	RF
C90	Ceramic(1608)	3PF	GRM39CJ030D50PT	RF
C91	Ceramic(1608)	10PF	GRM39CH100D50PT	RF

Symbol	Parts Name	Description		
C92	Ceramic(1608)	15PF UJ	GRM39UJ150J50PT	RF
C93	Ceramic(1608)	10PF	GRM39CH100D50PT	RF
C94	Ceramic(1608)	5PF UJ	GRM39UJ150J50PT	RF
C95	Ceramic(1608)	33PF	GRM39CH330J50PT	RF
C96	Ceramic(1608)	1. 5PF	GRM39CK1R5C50PT	RF
C97	Ceramic(1608)	8PF	GRM39CH080D50PT	RF
C98	Ceramic(1608)	4PF	GRM39CH040D50PT	RF
C99	Ceramic(1608)	10PF	GRM39CH100D50PT	RF
C100	Ceramic(1608)	0. 001uF	GRM39B102K50PT	RF
C101	Ceramic(1608)	15PF UJ	GRM39UJ150J50PT	RF
C102	Ceramic(1608)	0. 001uF	GRM39B102K50PT	RF
C103	Ceramic(1608)	15PF UJ	GRM39UJ150J50PT	RF
C104	Ceramic(1608)	33PF	GRM39CH330J50PT	RF
C105	Ceramic(1608)	0. 5PF	GRM39CK0R5C50PT	RF
C106	Ceramic(1608)	10PF	GRM39CH100D50PT	RF
C107	Ceramic(1608)	0. 0047uF	GRM39B472K50PT	RF
C108	Ceramic(1608)	0. 0047uF	GRM39B472K50PT	RF
C109	Ceramic(1608)	0. 01uF	GRM39B103K50PT	RF
C110	Ceramic(1608)	0. 001uF	GRM39B102K50PT	RF
C111	Ceramic(1608)	0. 0068uF	GRM39B682K50PT	RF
C112	Ceramic(2125)	1/50	GRM40B105K10PT	RF
C113	Ceramic(1608)	0. 0022uF	GRM39B222K50PT	RF
C114	Ceramic(1608)	0. 001uF	GRM39B102K50PT	RF
C115	Ceramic(1608)	0. 0022uF	GRM39B222K50PT	RF
C116	Ceramic(1608)	0. 001uF	GRM39B102K50PT	RF
C117	Ceramic(1608)	0. 001uF	GRM39B102K50PT	RF
C118	Ceramic(1608)	0. 0022uF	GRM39B222K50PT	RF
C119	Ceramic(1608)	0. 0022uF	GRM39B222K50PT	RF
C120	Ceramic(1608)	0. 0022uF	GRM39B222K50PT	RF
C121	Ceramic(1608)	0. 001uF	GRM39B102K50PT	RF
C122	Ceramic(1608)	0. 001uF	GRM39B102K50PT	RF
C123	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	RF
C124	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	RF
C125	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	RF
C126	Tantalum	10uF/10V	ECST1AY106P	RF
C127	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	RF
C128	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	RF
C129	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	RF
C130	Ceramic(1608)	0. 001uF	GRM39B102K50PT	RF
C131	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	RF
C132	Tantalum	10uF/10V	ECST1AY106P	RF
C133	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	RF
C134	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	RF
C135	Tantalum	10uF/10V	ECST1AY106P	RF
C136	Ceramic(1608)	0. 001uF	GRM39B102K50PT	RF
C137	Ceramic(1608)	0. 001uF	GRM39B102K50PT	RF

Symbol	Parts Name	Description		
C138	Ceramic(1608)	0.001uF	GRM39B102K50PT	RF
C140	Tantalum	10uF/10V	ECST1AY106P	RF
C141	Ceramic(1608)	0.1uF	GRM39F104Z25PT	RF
C142	Ceramic(1608)	0.1uF	GRM39F104Z25PT	RF
C143	Ceramic(1608)	0.01uF	GRM39B103K50PT	RF
C144	Ceramic(1608)	100PF	GRM39CH101J50PT	RF
C145	Ceramic(1608)	100PF	GRM39CH101J50PT	RF
C146	Ceramic(1608)	0.01uF	GRM39B103K50PT	RF
C147	Ceramic(1608)	0.1uF	GRM39B104K16PT	RF
C148	Ceramic(1608)	0.001uF	GRM39B102K50PT	RF
CN1	Connector pin	15pin	IMSA-9230B-1-15Z06	RF
D1	Diode	HVB14S	HVB14S	RF
D2	Diode	RB706F	RB706F-40-T106	RF
D3	Diode	RB706F	RB706F-40-T106	RF
D4	Diode	1SS364	1SS364-TE85L	RF
D7	Diode	1SV229	1SV229-TE85L	RF
D8	Diode	1SV229	1SV229-TE85L	RF
D9	Diode	1SV229	1SV229-TE85L	RF
D10	Diode	1SV229	1SV229-TE85L	RF
D11	Diode	1SS385	1SS385-TE85L	RF
D12	Diode	1SS3662	1SS362-TE85L	RF
D13	Diode	1SS3662	1SS362-TE85L	RF
D14	Diode	1SS3662	1SS362-TE85L	RF
F1	Crystal Filter	21.7MHz	21.7-15A-FP2	RF
F2	Crystal Filter	21.7MHz	21.7-15A-FP2	RF
F3	Ceramic Filter	CFUCG455EX	CFUCG455EX	RF
F4	Ceramic Filter	CFUCG455EX	CFUCG455EX	RF
IC1	IC	TG2206F	TG2206F	RF
IC4	IC	UPC2710	uPC2710T	RF
IC5	IC	TC74S01F	TC74S01F-TE85L	RF
IC6	IC	TA31137	TA31137FN	RF
IC7	IC	MB15F02L	MB15F02LPFV1-G-BND	RF
IC8	IC	TK11245	TK11245MTL	RF
IC10	IC	TK11245	TK11245MTL	RF
IC11	IC	TK11233	TK11233MTL	RF
IC12	IC	TC7W66	TC7W66FU	RF
IC13	IC	TC7W00	TC7W00FU	RF
J1	Wire		J1/6Z	RF

Symbol	Parts Name	Description		
L1	Tip Inductor	39nH	E2-0. 3-1. 4-7TL	RF
L2	Tip Inductor	54nH	0. 35-1. 6-8TL	RF
L3	Tip Inductor	54nH	0. 35-1. 6-8TL	RF
L4	Tip Inductor	23nH	LQN1A23NJ04	RF
L5	Tip Inductor	17nH	LQN1A17NJ04	RF
L6	Tip Inductor	39nH	LQN1A39NJ04	RF
L7	Tip Inductor	17nH	LQN1A17NJ04	RF
L8	Tip Inductor	BLM21A102	BLM21A102F	RF
L9	Tip Inductor	1uH	FSLU2520-1R0KP2	RF
L10	Tip Inductor	47nH	LQN1A47NJ04	RF
L11	Tip Inductor	47nH	LQN1A47NJ04	RF
L12	Tip Inductor	1. 7uH	FSLU2520-4R7KP2	RF
L16	Tip Inductor	BLM21A102	BLM21A102F	RF
L17	Tip Inductor	1. 7uH	FSLU2520-4R7KP2	RF
L18	Tip Inductor	56nH	LQN1A56NJ04	RF
L19	Tip Inductor	39nH	LQN1A39NJ04	RF
Q1	Transistor	2SC2055	2SC2055	RF
Q2	Transistor	3SK258	3SK258	RF
Q3	Transistor	2SK882	2SK882GR	RF
Q4	Transistor	2SC4915	2SC4915Y	RF
Q5	Transistor	2SC4915	2SC4915Y	RF
Q6	Transistor	2SC5108	2SC5108Y	RF
Q7	Transistor	2SC5108	2SC5108Y	RF
Q8	Transistor	2SC5066	2SC5066Y	RF
Q9	Transistor	2SC5066	2SC5066Y	RF
Q10	Transistor	RN1107	RN1107	RF
Q11	Transistor	RN1107	RN1107	RF
Q12	Transistor	2SK1062	2SK1062 (KE) -TE85R	RF
Q13	Transistor	RN1107	RN1107	RF
Q14	Transistor	RN1107	RN1107	RF
R1	Resistor(1608)	22K ohm	R1608-223J	RF
R3	Resistor(2125)	150 ohm	R2125-151J	RF
R4	Resistor(1608)	2. 2K ohm	R1608-222J	RF
R5	Resistor(1608)	2. 2K ohm	R1608-222J	RF
R6	Resistor(1608)	4. 7K ohm	R1608-472J	RF
R7	Resistor(1608)	4. 7K ohm	R1608-472J	RF
R8	Resistor(1608)	2. 2K ohm	R1608-222J	RF
R9	Resistor(1608)	1K ohm	R1608-102J	RF
R10	Resistor(1608)	22K ohm	R1608-223J	RF
R11	Resistor(1608)	22K ohm	R1608-223J	RF
R12	Resistor(1608)	100Kohm	R1608-104J	RF
R13	Resistor(1608)	22K ohm	R1608-223J	RF
R14	Resistor(2125)	10K ohm	NT732ATD10KohmK	RF

Symbol	Parts Name	Description		
R20	Resistor(1608)	56K ohm	R1608-563J	RF
R21	Resistor(1608)	100K ohm	R1608-104J	RF
R22	Resistor(1608)	100K ohm	R1608-104J	RF
R23	Resistor(1608)	100 ohm	R1680-101J	RF
R24	Resistor(1608)	100 ohm	R1680-101J	RF
R25	Resistor(1608)	100 ohm	R1680-101J	RF
R26	Resistor(1608)	1K ohm	R1608-102J	RF
R27	Resistor(1608)	1. 5K ohm	R1608-152J	RF
R28	Resistor(1608)	100 ohm	R1680-101J	RF
R29	Resistor(1608)	470 ohm	R1608-471J	RF
R30	Resistor(1608)	100K ohm	R1608-104J	RF
R31	Resistor(1608)	330K ohm	R1608-334J	RF
R32	Resistor(1608)	1. 5K ohm	R1608-152J	RF
R33	Resistor(1608)	47 ohm	R1608-470J	RF
R34	Resistor(1608)	100K ohm	R1608-104J	RF
R35	Resistor(1608)	15K ohm	R1608-153J	RF
R36	Resistor(1608)	8. 2K ohm	R1608-822J	RF
R37	Resistor(1608)	2. 2K ohm	R1608-222J	RF
R38	Resistor(1608)	2. 7K ohm	R1608-272J	RF
R39	Resistor(1608)	2. 7K ohm	R1608-272J	RF
R40	Resistor(1608)	1. 2K ohm	R1608-122J	RF
R41	Resistor(1608)	22 ohm	R1608-220J	RF
R42	Resistor(1608)	470 ohm	R1608-471J	RF
R43	Resistor(1608)	22 ohm	R1608-220J	RF
R44	Resistor(1608)	22 ohm	R1608-220J	RF
R45	Resistor(1608)	470 ohm	R1608-471J	RF
R46	Resistor(1608)	22 ohm	R1608-220J	RF
R47	Resistor(1608)	1. 2K ohm	R1608-122J	RF
R50	Resistor(1608)	2. 2K ohm	R1608-222J	RF
R51	Resistor(1608)	150 ohm	R1608-151J	RF
R52	Resistor(1608)	100 ohm	R1680-101J	RF
R53	Resistor(1608)	1. 5K ohm	R1608-152J	RF
R54	Resistor(1608)	2. 7K ohm	R1608-272J	RF
R55	Resistor(1608)	680 ohm	R1608-681J	RF
R56	Resistor(1608)	8. 2K ohm	R1608-822J	RF
R57	Resistor(1608)	1. 2K ohm	R1608-122J	RF
R58	Resistor(1608)	15K ohm	R1608-153J	RF
R59	Resistor(1608)	15K ohm	R1608-153J	RF
R60	Resistor(1608)	15K ohm	R1608-153J	RF
R61	Resistor(1608)	15K ohm	R1608-153J	RF
R62	Resistor(1608)	1. 5K ohm	R1608-152J	RF
R63	Resistor(1608)	33K ohm	R1608-333J	RF
R64	Resistor(1608)	22 ohm	R1608-222J	RF
R65	Resistor(1608)	33K ohm	R1608-333J	RF
R66	Resistor(1608)	33K ohm	R1608-333J	RF

Symbol	Parts Name	Description		
R67	Resistor(1608)	33K ohm	R1608-333J	RF
R68	Resistor(1608)	33K ohm	R1608-333J	RF
R69	Resistor(1608)	1. 5K ohm	R1608-152J	RF
R70	Resistor(1608)	100K ohm	R1608-104J	RF
R71	Resistor(1608)	1. 5K ohm	R1608-152J	RF
R72	Resistor(1608)	10K ohm	R1608-103J	RF
R73	Resistor(1608)	10K ohm	R1608-103J	RF
R74	Resistor(1608)	100KF ohm	RGC1/16C104FTP	RF
R75	Resistor(1608)	91KF ohm	RGC1/16C913FTP	RF
R77	Resistor(1608)	470K ohm	R1608-474J	RF
R78	Resistor(1608)	47K ohm	R1608-473J	RF
R79	Resistor(1608)	10K ohm	R1608-103J	RF
R80	Resistor(1608)	3. 3K ohm	R1608-332J	RF
RV1	Variable resistor	50K ohm	RVG3S08-503VM-TP	RF
RV2	Variable resistor	2K ohm	RVG3S08-202VM-TP	RF
RV3	Variable resistor	100K ohm	RVG3S08-104VM-TP	RF
RV5	Variable resistor	10K ohm	RVG3S08-103VM-TP	RF
T1	RF Trans	L5034	L5034 (MC152)	RF
T2	RF Trans	L5034	L5034 (MC152)	RF
T3	RF Trans	L5034	L5034 (MC152)	RF
T4	RF Trans	L5034	L5034 (MC152)	RF
T5	RF Trans	L5034	L5034 (MC152)	RF
T6	RF Trans	L5034	L5034 (MC152)	RF
T7	RF Trans	L5034	L5034 (MC152)	RF
T8	RF Trans	L5038	L5038	RF
T9	RF Trans	L5037	L5037	RF
T10	RF Trans	L5036	L5036	RF
TCX1	Crystal	14. 4MHz	TCX0-201C1/14. 4MHz	RF
VC1	Ceramic Trimmer	10P	TZV02Z100A110	RF
VC2	Ceramic Trimmer	10P	TZV02Z100A110	RF
VC3	Ceramic Trimmer	10P	TZV02Z100A110	RF
Y1	Crystal	21. 245MHz	CX-91F/21. 245MHz/	RF

VADER CPU P. W. B

Symbol	Parts Name	Description		
C1	Ceramic(1608)	0. 1uF	GRM39B104K16PT	CPU
C2	Ceramic(1608)	0. 1uF	GRM39B104K16PT	CPU
C3	Ceramic(1608)	0. 0022uF	GRM39B222K50PT	CPU
C4	Ceramic(1608)	0. 1uF	GRM39B104K16PT	CPU
C5	Tantalum	10uF/10V	ECST1AY106P	CPU
C6	Ceramic(1608)	0. 1uF	GRM39B104K16PT	CPU
C7	Ceramic(1608)	0. 022uF	GRM39B223K25PT	CPU
C8	Ceramic(1608)	0. 1uF	GRM39B104K16PT	CPU
C9	Ceramic(1608)	0. 1uF	GRM39B104K16PT	CPU
C10	Ceramic(1608)	0. 1uF	GRM39B104K16PT	CPU
C11	Ceramic(1608)	0. 1uF	GRM39B104K16PT	CPU
C12	Ceramic(1608)	0. 001uF	GRM39B102K50PT	CPU
C13	Ceramic(1608)	33PF	GRM39CH330J50PT	CPU
C14	Ceramic(1608)	0. 1uF	GRM39B104K16PT	CPU
C15	Ceramic(1608)	0. 1uF	GRM39B104K16PT	CPU
C16	Ceramic(2125)	1. 0uF	GRM40B105K10PT	CPU
C17	Ceramic(2125)	1. 0uF	GRM40B105K10PT	CPU
C18	Ceramic(1608)	18PF	GRM39CH180J50PT	CPU
C19	Ceramic(1608)	18PF	GRM39CH180J50PT	CPU
C20	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	CPU
C21	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	CPU
C22	Tantalum	10uF/10V	ECST1AY106P	CPU
C23	Tantalum	10uF/10V	ECST1AY106P	CPU
C24	Ceramic(1608)	18PF	GRM39CH180J50PT	CPU
C25	Ceramic(1608)	18PF	GRM39CH180J50PT	CPU
C26	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	CPU
C27	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	CPU
C28	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	CPU
C29	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	CPU
C30	Tantalum	47uF/16V	EEVFC1C470P	CPU
C31	Ceramic(1608)	0. 001uF	GRM39B102K50PT	CPU
C32	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	CPU
C33	Ceramic(1608)	0. 1uF	GRM39B104K16PT	CPU
C34	Ceramic(1608)	0. 1uF	GRM39B104K16PT	CPU
C35	Ceramic(1608)	0. 1uF	GRM39B104K16PT	CPU
C36	Ceramic(1608)	0. 001uF	GRM39B102K50PT	CPU
C37	Ceramic(1608)	0. 001uF	GRM39B102K50PT	CPU
C38	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	CPU
C39	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	CPU
C40	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	CPU
C41	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	CPU
C42	Tantalum	10uF/10V	ECST1AY106P	CPU
C44	Ceramic(1608)	0. 001uF	GRM39B102K50PT	CPU
CN1	Connector soket	15pin	IMSA-9120S-15	CPU
CN2	Connector soket	6pin	IMSA-9120S-06L	CPU
CN3	Connector soket	13pin	IMSA-9120S-13	CPU
CN4	Connector soket	3pin	IMSA-9120S-03L	CPU
D1	Diode		1SS355-TE17	CPU
D2	Diode		1SR154-400-TE25	CPU
EM1	EMI FILTER		NFM2012P13C474FT1	CPU
EM3	EMI FILTER		PLM250S30T1	CPU

Symbol	Parts Name	Description		
IC1	IC		TC35491F	CPU
IC2	IC		uPD78P054 (CPU)	CPU
IC3	IC		AT93C66-10SI-2.7	CPU
IC4	IC		S-80828ALNP-EAR-T2	CPU
IC5	IC		TC7W00FU-TE85L	CPU
R1	Resistor(1608)	10K ohm	R1608-103J	CPU
R2	Resistor(1608)	750K ohm	R1608-754J	CPU
R3	Resistor(1608)	10K ohm	R1608-103J	CPU
R4	Resistor(1608)	33K ohm	R1608-333J	CPU
R5	Resistor(1608)	100K ohm	R1608-104J	CPU
R6	Resistor(1608)	100K ohm	R1608-104J	CPU
R7	Resistor(1608)	22K ohm	R1608-223J	CPU
R8	Resistor(1608)	10K ohm	R1608-103J	CPU
R9	Resistor(1608)	1K ohm	R1608-102J	CPU
R10	Resistor(1608)	1K ohm	R1608-102J	CPU
R11	Resistor(1608)	100KF ohm	RGC1/16C104FTP	CPU
R12	Resistor(1608)	47KF ohm	RGC1/16C473FTP	CPU
R13	Resistor(1608)	47K ohm	R1608-473J	CPU
R14	Resistor(1608)	47K ohm	R1608-473J	CPU
R15	Resistor(1608)	1M ohm	R1608-105J	CPU
R16	Resistor(1608)	47K ohm	R1608-473J	CPU
R17	Resistor(1608)	47K ohm	R1608-473J	CPU
R18	Resistor(1608)	220 ohm	R1608-221J	CPU
R19	Resistor(1608)	10K ohm	R1608-103J	CPU
R20	Resistor(1608)	2.2K ohm	R1608-222J	CPU
R21	Resistor(1608)	2.2K ohm	R1608-222J	CPU
R22	Resistor(1608)	2.2K ohm	R1608-222J	CPU
R23	Resistor(1608)	2.2K ohm	R1608-222J	CPU
R24	Resistor(1608)	2.2K ohm	R1608-222J	CPU
R25	Resistor(1608)	47K ohm	R1608-473J	CPU
R26	Resistor(1608)	47K ohm	R1608-473J	CPU
R27	Resistor(1608)	100K ohm	R1608-104J	CPU
R28	Resistor(1608)	2.2K ohm	R1608-222J	CPU
R29	Resistor(1608)	470K ohm	R1608-474J	CPU
R30	Resistor(1608)	2.2K ohm	R1608-222J	CPU
R31	Resistor(1608)	10K ohm	R1608-103J	CPU
R32	Resistor(1608)	2.2K ohm	R1608-222J	CPU
R33	Resistor(1608)	2.2K ohm	R1608-222J	CPU
RV1	Variable resistor		TP70D978N	CPU
RV2	Variable resistor	50K ohm	RVG3S08-503VM-TP	CPU
RV3	Variable resistor	50K ohm	RVG3S08-503VM-TP	CPU
RV4	Variable resistor	50K ohm	RVG3S08-503VM-TP	CPU
SW1	GROUP SWITCH		TP70C979	CPU
Y1	Crystal	3.58MHz	CX-5F/3.58MHz	CPU
Y2	Crystal	4.91MHz	CX-5F/4.91MHz	CPU

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DSP P. W. B

Symbol	Parts Name	Description		
C1	Tantalum	10uF/10V	ECST1AY106P	DSP
C2	Ceramic(1608)	0. 022uF	GRM39B223K25PT	DSP
C3	Ceramic(3216)	2. 2uF	GRM42-6B225K16PT	DSP
C4	Ceramic(1608)	0. 01uF	GRM39B103K50PT	DSP
C5	Ceramic(1608)	470PF	GRM39CH471J50PT	DSP
C6	Ceramic(1608)	0. 01uF	GRM39B103K50PT	DSP
C7	Ceramic(1608)	100PF	GRM39CH101J50PT	DSP
C8	Ceramic(1608)	0. 001uF	GRM39B102K50PT	DSP
C9	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	DSP
C10	Ceramic(1608)	0. 1uF	GRM39B104K16PT	DSP
C11	Ceramic(1608)	0. 015uF	GRM39B153K50PT	DSP
C12	Ceramic(1608)	100PF	GRM39CH101J50PT	DSP
C13	Ceramic(1608)	100PF	GRM39CH101J50PT	DSP
C14	Ceramic(1608)	0. 001uF	GRM39B102K50PT	DSP
C15	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	DSP
C16	Tantalum	10uF/10V	ECST1AY106P	DSP
C17	Ceramic(3216)	2. 2uF	GRM42-6B225K16PT	DSP
C18	Tantalum	10uF/10V	ECST1AY106P	DSP
C19	Ceramic(1608)	0. 1uF	GRM39B104K16PT	DSP
C20	Ceramic(1608)	100PF	GRM39CH101J50PT	DSP
C21	Tantalum	10uF/10V	ECST1AY106P	DSP
C22	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	DSP
C23	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	DSP
C24	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	DSP
C25	Ceramic(1608)	100PF	GRM39CH101J50PT	DSP
C26	Ceramic(3216)	2. 2uF	GRM42-6B225K16PT	DSP
C30	Ceramic(1608)	0. 1uF	GRM39B104K16PT	DSP
C32	Tantalum	100uF/6V	EEVFC1C470P	DSP
C33	-			DSP
C34	Tantalum	10uF/10V	ECST1AY106R	DSP
C39	Ceramic(3216)	2. 2uF	GRM42-6B225K16PT	DSP
C40	Tantalum	100uF/16V	EEVFC1C101P	DSP
C41	Ceramic(2125)	0. 33uF	GRM40B334K16PT	DSP
C42	Tantalum	47uF/16V	EEVFC1C470P	DSP
C43	Ceramic(3216)	2. 2uF	GRM42-6B225K16PT	DSP
C44	Ceramic(1608)	0. 047uF	GRM39B473K16PT	DSP
C45	Ceramic(1608)	100PF	GRM39CH101J50PT	DSP
C46	Tantalum	100uF/10V	EEVFC0J101P	DSP
C47	Ceramic(3225)	22uF/10V	GRM235F226Z10PT	DSP
C48	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	DSP
C49	Ceramic(1608)	10uF/16V	GRM235F106Z16PT	DSP
				DSP
C51	Ceramic(1608)	0. 33uF	GRM40B334K16PT	DSP
C52	Ceramic(1608)	0. 022uF	GRM39B223K25PT	DSP
C53	Ceramic(1608)	0. 022uF	GRM39B223K25PT	DSP

Symbol	Parts Name	Description		
C54	Tantalum	10uF/10V	ECST1AY106P	DSP
C55	Tantalum	10uF/10V	ECST1AY106P	DSP
				DSP
C60	Ceramic(1608)	12PF	GRM39CH120J50PT	DSP
C61	Ceramic(1608)	12PF	GRM39CH120J50PT	DSP
C62	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	DSP
C63	Ceramic(1608)	0. 001uF	GRM39B102K50PT	DSP
C64	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	DSP
C65	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	DSP
C66	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	DSP
C67	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	DSP
C68	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	DSP
C69	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	DSP
C70	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	DSP
C71	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	DSP
C72	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	DSP
C73	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	DSP
C74	Ceramic(1608)	0. 1uF	GRM39F104Z25PT	DSP
				DSP
				DSP
CN1	Connector soket	6P	IMSA-9120S-06L	DSP
CN2	Connector pin	13P	IMSA-9230B-1-13Z06	DSP
D1	-			DSP
D11	Diode	1SS355	1SS355-TE17	DSP
D12	Diode	1SS355	1SS355-TE17	DSP
D2	Diode	1SS355	1SS355-TE17	DSP
D4	Diode	RB706F	RB706F-40-T106	DSP
D6	Diode	RB491D	RB491D-TE146	DSP
D7	-			DSP
D8	-			DSP
D9	-			DSP
EM1	EMI FILTER		NFM2012P13C474FT1	DSP
EM2	EMI FILTER		NFM2012P13C474FT1	DSP
EM3	EMI FILTER		NFM2012P13C474FT1	DSP
IC1	IC	NJM2100V	NJM2100V	DSP
IC10	IC	TC74VHC74FT	TC74VHC74FT	DSP
IC11	IC	TC74VHC74FT	TC74VHC02FT	DSP
IC2	IC	SM7702-02MS-K	MSM7702-02MS-K	DSP
IC3	IC	NJM2113V	NJM2113V	DSP
IC5	IC	MAX887	MAX887HESA	DSP
IC6	IC	M51957BFP	M51957BFP	DSP
IC7	IC	DSP	TMS320LC541PZ	DSP
IC8	IC	TC55V1664FT	TC55V1664BFT-12	DSP
IC9	IC	TC74VHC541FT	TC74VHC541FT	DSP

Symbol	Parts Name	Description		
L1	Tip Inductor	33uH	A921CY330M=P3	
L2	Tip Inductor	100uH	LQH4N101K04	DSP
L3	Tip Inductor	33uH	LQH4N330K04	DSP
L4	EMI FILTER		BLM21A102F	DSP
L5	Tip Inductor	33uH	LQH4N330K04	DSP
Q1	Transistor	2SD1757KR	2SD1757KR-T146	DSP
Q2	Transistor	2SD1757KR	2SD1757KR-T146	DSP
Q3	Transistor	2SA1586	2SA1586Y-TE85L	DSP
Q4	Transistor	2SC4116	2SC4116GR-TE85L	DSP
Q5	Transistor	2SA1586	2SA1586Y-TE85L	DSP
Q6	Transistor	2SD1757KR	2SD1757KR-T146	DSP
R1	Resistor(1608)	2. 2K ohm	R1608-222J	DSP
R2	Resistor(1608)	2. 2K ohm	R1608-222J	DSP
R3	Resistor(1608)	33K ohm	R1608-333J	DSP
R4	Resistor(1608)	820K ohm	R1608-824J	DSP
R5	Resistor(1608)	2220K ohm	R1608-224J	DSP
R6	Resistor(1608)	8. 2K ohm	R1608-822J	DSP
R7	Resistor(1608)	270K ohm	R1608-274J	DSP
R8	Resistor(1608)	8. 2K ohm	R1608-822J	DSP
R9	Resistor(1608)	220K ohm	R1608-224J	DSP
R10	Resistor(1608)	220K ohm	R1608-224J	DSP
R11	Resistor(1608)	1K ohm	R1608-102J	DSP
R12	Resistor(1608)	47K ohm	R1608-473J	DSP
R13	Resistor(1608)	100K ohm	R1608-104J	DSP
R14	Resistor(1608)	1K ohm	R1608-102J	DSP
R20	Resistor(1608)	1K ohm	R1608-102J	DSP
R22	Resistor(3216)	6. 8 ohm	R3216-6R8J	DSP
R23	Resistor(1608)	100K ohm	R1608-104J	DSP
R24	Resistor(1608)	100K ohm	R1608-104J	DSP
R25	Resistor(1608)	47K ohm	R1608-473J	DSP
R28	Resistor(1608)	100K ohm	R1608-104J	DSP
R29	Resistor(1608)	100K ohm	R1608-104J	DSP
R30	Resistor(1608)	10K ohm	R1608-103J	DSP
R31	Resistor(1608)	150KF ohm	RGC1/16C154FTP	DSP
R32	Resistor(1608)	91KF ohm	RGC1/16C913FTP	DSP
R33	Resistor(1608)	3. 9K ohm	R1608-392J	DSP
R34	Resistor(1608)	4. 7K ohm	R1608-472J	DSP
R40	Resistor(1608)	47K ohm	R1608-473J	DSP
R41	Resistor(1608)	47K ohm	R1608-473J	DSP
R42	Resistor(1608)	4. 7K ohm	R1608-472J	DSP
RA1	Resistor(1608)	47K ohm	RAC164D473JATP	DSP
RA2	Resistor(1608)	47K ohm	RAC164D473JATP	DSP
RA3	Resistor(1608)	47K ohm	RAC164D473JATP	DSP
RA4	Resistor(1608)	47K ohm	RAC164D473JATP	DSP

Symbol	Parts Name	Description		
RA5	Resistor(1608)	47K ohm	RAC164D473JATP	DSP
RA6	Resistor(1608)	47K ohm	RAC164D473JATP	DSP
RA7	Resistor(1608)	47K ohm	RAC164D473JATP	DSP
RS0	-			DSP
RS1	-			DSP
RS10	-			DSP
RS11	Resistor(1608)	4. 7K ohm	R1608-472J	DSP
RS12	-			DSP
RS13	Resistor(1608)	4. 7K ohm	R1608-472J	DSP
RS14	Resistor(1608)	4. 7K ohm	R1608-472J	DSP
RS15	-			DSP
RS2	-			DSP
RS3	-			DSP
RS4	-			DSP
RS5	-			DSP
RS6	-			DSP
RS7	-			DSP
RS8	Resistor(1608)	4. 7K ohm	R1608-472J	DSP
RS9	Resistor(1608)	4. 7K ohm	R1608-472J	DSP
RV1	Variable resistor	3. 2K ohm	RVG3S08-202VM-TP	DSP
RV2	Variable resistor	10K ohm	RVG3S08-103VM-TP	DSP
RV3	Variable resistor	3. 2K ohm	RVG3S08-202VM-TP	DSP
Y1	Crystal	8MHz	CX-5F/8. 00MHz	DSP

VADER

TOP P. W. B

Symbol	Parts Name	Description	
J1	Connector	6P	FM10RS6H
J2	Connector	7P	FM10RS7H
CN2	Connector pin	6pin	IMSA-9230B-1-06Z
EM1	EMI FILTER		BLM21A102S
EM2	EMI FILTER		BLM21A102S
EM3	EMI FILTER		BLM21A102S
EM4	EMI FILTER		BLM21A102S
CN1	Connector pin	6pin	IMSA-9230B-1-06Z
EM5	EMI FILTER		BLM21A102S
EM8	EMI FILTER		NFM2012P474
EM6	EMI FILTER		BLM21A102S
EM7	EMI FILTER		BLM21A102S

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VADER PTT P. W. B

Symbol	Parts Name	Description	
J3	Connector pin	3pin	IMSA-9230B-1-03Z
SW2	TACT Switch	SKHCAD	SKHCAD
SW3	TACT Switch	SKHCAD	SKHCAD

PTT
PTT
PTT