

<u>Reference</u>	<u>Part</u>	<u>Description</u>
C1	22u	
C10	100n	
C100	1n	
C101	1n	
C102	1n	
C103	1n	
C104	1n	
C105	22p	
C106	22p	
C107	22p	
C108	22p	
C109	100n	
C110	100n	
C111	100n	
C112	22p	
C113	22p	
C115	100n	
C116	100n	
C117	100n	
C119	1n	
C121	22p	
C122	22p	
C123	22p	
C13	22u	
C131	22p	
C134	100n	
C135	1n	
C137	22p	
C138	100n	
C139	100n	
C14	22u	
C140	22p	
C141	22p	
C142	100p	
C143	100p	
C144	22p	
C145	1n	
C147	22p	
C148	1n	
C149	100n	
C15	22u	
C150	22p	
C151	22p	
C152	1.5p HQ	
C157	1u	
C158	1u	
C159	1u	
C161	100n	
C162	100n	
C163	22p	
C164	1n	
C165	10n	

C166	22p
C167	22p
C168	1n
C169	22p
C170	22p ATC
C171	1p5 HQ
C172	2p7 HQ
C173	2p2 HQ
C176	100n
C178	22p
C179	100n
C18	22u
C180	22p
C182	22p
C183	1u
C184	22p
C185	100n
C186	22p
C187	22p
C188	22p
C189	22p
C19	22u
C190	22p
C191	22p
C193	22p
C194	22p
C195	22p
C196	22p
C197	22p
C198	22p
C199	10n
C2	1u
C20	22u
C200	22p
C201	22p
C202	22p
C205	22p
C206	22p
C207	22p ATC
C208	22p
C209	100p
C210	100p
C212	100n
C213	1n
C215	22p
C216	22p
C217	22p
C218	22p
C219	100n
C220	100n
C221	100n
C222	100n
C223	68p
C224	68p
C225	22p
C226	22p ATC

C227	100n
C228	10p
C229	10p
C23	100n
C230	10p
C231	10p
C232	22p
C233	22p
C234	22p
C235	22p
C236	22p
C237	10u
C238	4u7
C239	100n
C24	100n
C240	100n
C25	1u
C26	1u
C27	1u
C28	1u
C29	1u
C3	1u
C30	100n
C31	100n
C32	100n
C33	100n
C34	100n
C35	100n
C36	100n
C37	100n
C38	100n
C39	100n
C4	100n
C40	100n
C41	100n
C42	4u7
C44	100n
C45	100n
C46	100n
C47	100n
C48	1u
C49	100n
C5	100n
C50	100n
C51	100n
C52	100n
C53	4u7
C54	100n
C55	100n
C56	22p
C57	22p
C6	22u
C61	100n
C62	22p
C63	22p
C64	100n

C68	100n	
C7	1u	
C70	100n	
C71	100n	
C72	22p	
C73	22p	
C75	22p	
C76	100n	
C77	1n	
C78	1n	
C79	1n	
C8	1u	
C80	1n	
C81	1n	
C82	5p6 Accu-P	
C83	22p	
C84	22p	
C85	22p	
C86	22p	
C87	22p ATC	
C88	100n	
C89	100n	
C9	100n	
C90	22p	
C91	22p	
C93	22p	
C94	100n	
C95	4u7	
C96	100n	
C97	100p	
C98	1n	
C99	22p	
CR1	1.5SMC15AT3	Input Protection
CR10	BYD77	Input Protection
CR11	BYD77	Input Protection
CR12	BYD77	Input Protection
CR13	1SMC5.0AT3	Input Protection
CR14	1SMC5.0AT3	Input Protection
CR15	BYD77	Input Protection
CR16	BYD77	Input Protection
CR2	BYD77	Input Protection
CR3	BYD77	Input Protection
CR34	1SMC5.0AT3	RF Input Protection
CR36	LM4040-2.5	Voltage Reference
CR39	BAS28	Input Protection
CR4	BYD77	Input Protection
CR40	BAS28	Input Protection
CR41	BAS28	Input Protection
CR42	BAS28	Input Protection
CR43	BAS28	Input Protection
CR44	BAS28	Input Protection
CR45	BAS28	Input Protection
CR46	BAS28	Input Protection
CR47	LM4040-2.5	Voltage Reference
CR48	BAS28	Temperature Sensing Diode
CR5	BYD77	Input Protection

CR50	SMV1283-011	Varactor Diode used for Phase Shifting of RF Signal
CR51	SMV1283-011	Varactor Diode used for Phase Shifting of RF Signal
CR52	HSMS2829	Diode used for RF Signal Shaping
CR53	BAS28	Input Protection
CR54	BAS28	Input Protection
CR55	BAS28	Input Protection
CR6	1.5SMC15AT3	Input Protection
CR7	BYD77	Input Protection
CR8	BYD77	Input Protection
CR9	BYD77	Input Protection
DS1	SMS05	Input Protection
DS2	RED	LED
DS3	GRN	LED
DS4	SMS05	Input Protection
DS5	SMS05	Input Protection
DS6	SMS05	Input Protection
E1	90V	Input Protection
E2	90V	Input Protection
E3	90V	Input Protection
E4	90V	Input Protection
E5	90V	Input Protection
E6	90V	Input Protection
E7	90V	Input Protection
E8	90V	Input Protection
F1	KFF6450A	
HY1	1X503	
HY2	1X503	
J1	MCX Female	
J2	MCX Female	
J3	CON26	
J4	CON20	
J5	CON20	
L1	47n	
L19	100n	
L2	17n5	
L20	100n	
L22	47n	
L23	3n9 HQ	
L24	1u0	
L25	100n	
L26	100n	
L27	3n9 HQ	
L28	3n9 HQ	
L29	5n6	
L3	47n	
L6	47n	
L8	47n	
M1	Shieldframe	
Q1	Si3455DV	Power Supply Switch
Q2	BC847B	Power Supply Switch
Q3	Si3455DV	Power Supply Switch
Q4	BC847B	Power Supply Switch
Q5	Si3455DV	Power Supply Switch
Q6	BC847B	Power Supply Switch
Q8	MRF281	RF LDMOS Transistor
R10	15K0	

R100	215R
R101	215R
R106	332R
R107	332R
R108	100R
R109	100R
R11	15K0
R110	100R
R111	2k05
R112	100R
R113	0R0
R116	5k62
R117	5k62
R119	332R
R12	15K0
R120	4k64
R121	10R0
R122	10R0
R123	332R
R124	4k64
R125	10R0
R126	10R0
R127	100R
R128	100R
R129	100R
R13	15K0
R132	22k6
R133	3k48
R134	226R
R135	1K00
R136	1K00
R137	1k00
R138	215R
R139	23R7
R14	15K0
R140	215R
R141	61R9
R142	1k00
R143	1k00
R144	22k6
R145	10k0
R146	1K00
R147	3k48
R148	100k
R149	287R
R15	15K0
R150	3k48
R151	10k0
R152	1k00
R153	61R9
R154	1k00
R16	15K0
R17	15K0
R18	15K0
R19	15K0
R2	100K

R20	15K0
R201	100R
R202	100R
R203	100R
R204	100R
R205	17R8
R206	1k00
R207	422R
R208	287R
R209	51R1
R21	15K0
R210	51R1
R211	11R5
R212	422R
R213	422R
R216	1k00
R217	1k00
R218	51R1
R219	51R1
R22	0R0
R220	10K0
R221	10K0
R222	0R0
R24	226R
R25	226R
R27	100R
R28	10K0
R29	1k00
R3	100K
R31	1k00
R32	0R0
R4	100K
R43	22k6
R44	10k0
R45	4k64
R5	100K
R51	332R
R52	10k0
R53	22k6
R54	10k0
R55	4k64
R56	0R0
R6	15K0
R61	332R
R63	147R
R64	4k64
R65	22k6
R66	100R
R67	3k48
R68	100R
R69	10k0
R7	15K0
R71	10k0
R73	100R
R74	10R0
R75	10R0

R77	10k0	
R79	10k0	
R8	15K0	
R84	10k0	
R85	3k48	
R86	1K00	
R87	3R48	
R88	3k48	
R89	22k6	
R9	15K0	
R90	100k	
R91	287R	
R92	3k48	
R93	10k0	
R94	1k00	
R95	42k2	
R96	10k0	
R97	10k0	
R98	442R	
R99	23R7	
RS1	4x2K7	
RS10	4x100K	
RS11	4x220	
RS12	4x220	
RS13	4x10K	
RS2	4x10K	
RS3	4x27K	
RS4	4x100K	
RS5	4x33K	
RS6	4x330K	
RS7	4x2K7	
RS8	4x33K	
RS9	4x27K	
T1	PD15-73	
T2	PD15-73	
T3	PD15-73	
U1	Am186ER-40 KI\W	CPU
U10	MIC5209	Voltage Regulator
U11	LM2901	Comparator
U12	LM6134	OPAMP
U15	LM2901	Comparator
U19	SI-7TNL 1640G	
U2	Am29LV400BT/EE	FLASH
U20	HMC306MS10	Digital RF Attenuator
U22	SI-7TNL 1640G	
U23	AGB3309	RF Amplifier
U24	AD7418ARM	ADC
U25	LMC6482AIM	OPAMP
U26	AD8361	Power Detector
U27	HMC306MS10	Digital RF Attenuator
U3	AS6WA25616TI	SRAM
U30	AGB3309	RF Amplifier
U31	AD5325BRM	DAC
U33	LMC7101AIM	OPAMP
U34	AM1	RF Amplifier
U36	AM1	RF Amplifier

U37	LMC6482AIM	OPAMP
U39	AV102-12	Analog RF Attenuator
U4	XTAL 29.4912MHz	Oscillator
U42	SXA-289	RF Amplifier
U44	X9119TV14I-2.7	Digital Potmeter
U45	LMC7101AIM	OPAMP
U46	SI-7TNL 1640G	
U47	AV102-12	Analog RF Attenuator
U49	LMC6482AIM	OPAMP
U5	MAX823-S	Watchdog
U50	74LV00	NAND Gate
U51	25LC640	EEPROM
U52	DD-03182	ARINC 429 Line Driver
U6	XC2S100	FPGA
U7	ST16C550IQ48	UART
U8	MAX3488ESA	RS-422 Transceiver
W1	SOLP	
W2	SOLP	
W3	DelayLine	