

FS2000 BOM

RF BOARD

QTY	PART NUMBER	VALUE	DESCRIPTION	REF
1			ANTENNA	ANT1
3		0U1	CERAMIC CAP. 0603	C102 C105 C124
1		0U15,10%	CERAMIC CAP. 0603	C131
3		100P	CERAMIC CAP. 0603	C111 C125 C155
3		10N	CERAMIC CAP. 0603	C59 C89 C108
3		10P	CERAMIC CAP. 0603	C116-117 C119
2		15P	CERAMIC CAP. 0603	C118 C136
23		180P	CERAMIC CAP. 0603	C10 C39 C64 C68 C83 C85 C92-93 C110 C120-121
				C123 C128-129 C134 C142 C144-146 C150-153
1		18P	CERAMIC CAP. 0603	C130
2		1P	CERAMIC CAP. 0603	C109 C138
1		22P	CERAMIC CAP. 0603	C141
8		2P	CERAMIC CAP. 0603	C90 C132-133 C135 C143 C147 C149 C154
1		3N3	CERAMIC CAP. 0603	C122
2		47P	CERAMIC CAP. 0603	C104 C126
2		5P	CERAMIC CAP. 0603	C94 C139
1		6P	CERAMIC CAP. 0603	C114
1		8N2	CERAMIC CAP. 0603	C127
3		8P	CERAMIC CAP. 0603	C84 C91 C140
1		9P	CERAMIC CAP. 0603	C115
1		12NH	CHIP COIL, 0603-SIZE	L4
1		33NH	CHIP COIL, 0603-SIZE	L14
1		6.8NH	CHIP COIL, 0603-SIZE	L13
1		12NH	CHIP COIL, 0603-SIZE	L2
1		470NH	CHIP COIL, 1008-SIZE	L5
1		10P	CHIP TRIMMER CAPACITOR	C137
1		21.4MHZ	CRYSTAL FILTER	F2
1		20.95M	CRYSTAL	Y2
1	2SK3078		N CHANNEL MOSFET	Q24
6	2SC5065Y		NPN TRANSISTOR	Q4 Q20 Q22-23 Q26-27
1	2SC2714-O		NPN TRANSISTOR	Q21
1	2SC5084Y		NPN TRANSISTOR	Q25
1		2K2	NTC THERMISTOR	R164
3	1SS356		PIN DIODE	D5-6 D11
1	TB31202FN		PLL FREQUENCY SYNTHESIZER	U9
1		56K	RESISTOR SIZE 0603	R151
1		100K	RESISTOR SIZE 0603	R167
2		100R	RESISTOR SIZE 0603	R20 R152
2		10K	RESISTOR SIZE 0603	R169-170
2		10R	RESISTOR SIZE 0603	R149 R171
1		120K	RESISTOR SIZE 0603	R165
1		180R	RESISTOR SIZE 0603	R176
1		18K	RESISTOR SIZE 0603	R163

2		1K	RESISTOR SIZE 0603	R125 R144
1		220R	RESISTOR SIZE 0603	R150
3		22K	RESISTOR SIZE 0603	R156 R172 R178
1		2K7	RESISTOR SIZE 0603	R157
2		330K	RESISTOR SIZE 0603	R155 R166
1		33K	RESISTOR SIZE 0603	R174
1		33R	RESISTOR SIZE 0603	R160
5		470R	RESISTOR SIZE 0603	R120 R145 R154 R158 R179
4		47K	RESISTOR SIZE 0603	R19 R146 R161 R177
2		4K7	RESISTOR SIZE 0603	R153 R162
1		680R	RESISTOR SIZE 0603	R147
2		68K	RESISTOR SIZE 0603	R21 R159
2		82R	RESISTOR SIZE 0603	R2 R175
1			SAW FILTER, 465MHZ, 50 OHM	F1
6		4T	SPRING INDUCTOR	L3 L6-9 L12
1		7T	SPRING INDUCTOR	L10
1		2T	SPRING INDUCTOR	L1
1	1SS355		SWITCHING DIODE	D10
1			RF BOARD PCB	
3	1SV214	1SV214	VARACTOR DIODE	D7-9

MAIN BOARD

QTY	PART NUMBER	VALUE	DESCRIPTION	REF
1		LM386	AUDIO POWER AMP	U4
1		--	CERAMIC CAP. 0603	C75
1		---	CERAMIC CAP. 0603	C24
1		0.15U,10%	CERAMIC CAP. 0603	C35
25		0U1	CERAMIC CAP. 0603	C2 C9 C11-13 C15 C17 C21 C34 C37 C55-56 C58 C63
				C67 C70-71 C74 C76 C78-79 C96-97 C100 C106
1		100P	CERAMIC CAP. 0603	C53
13		10N	CERAMIC CAP. 0603	C3 C6 C27 C30 C40 C43 C45 C48 C50-51 C54 C72 C87
2		10P	CERAMIC CAP. 0603	C23 C38
1		15P	CERAMIC CAP. 0603	C107
2		180P	CERAMIC CAP. 0603	C88 C112
2		1N	CERAMIC CAP. 0603	C49 C95
1		1N5	CERAMIC CAP. 0603	C4
3		1U	CERAMIC CAP. 0603	C25 C32 C57
2		220N	CERAMIC CAP. 0603	C8 C33
3		22N	CERAMIC CAP. 0603	C29 C47 C66
2		27P	CERAMIC CAP. 0603	C7 C14
2		2N2	CERAMIC CAP. 0603	C36 C61
3		2U2	CERAMIC CAP. 0603	C10 C77 C81
1		330P	CERAMIC CAP. 0603	C31
2		3N3	CERAMIC CAP. 0603	C5 C46
3		47N	CERAMIC CAP. 0603	C19 C26 C44
2		4N7	CERAMIC CAP. 0603	C41 C62
1		5N6	CERAMIC CAP. 0603	C65
4		680P	CERAMIC CAP. 0603	C42 C69 C98-99
1		6N8	CERAMIC CAP. 0603	C28

1		2.2U	CERAMIC CAP. 0805	C101
1			QUAD COIL 450KHZ	F4
1			CERAMIC FILTER 450K, 6-POLE	F3
1			CONDENSER MICROPHONE	M1
1		4.19MHZ	CRYSTAL 4.19MHZ, 30PPM (HC49U/S)	Y1
1	LL4148		DIODE SMD	D1
1	LL4148		DIODE SMD	D4
1	ATC93LC46A		EEPROM	U3
1		---	ELECT CAP 7MM	C22
1		100U	ELECT CAP 7MM	C1
1		220U	ELECT CAP 7MM	C18
1			LCD	LCD1
1	C170		LED SMD-0805	D2
1			MAIN BOARD PCB	
1			MCU 8-BIT	U1
1	28B218388-0920C	SP-990514	MIRCO SPEAKER 28MM 8 OHM 0.12W	SPK1
11	PMBT3904		NPN TRANSISTOR	Q1-2 Q8-9 Q11 Q15-17 Q19 Q28-29
1	PMBT3904		NPN TRANSISTOR	Q14
1	ST2502-5		PHONE JACK 2.5MM STEREO	J7
6	PDTA143ZK		PNP TRANSISTOR	Q6-7 Q10 Q12-13 Q18
1	PMBT2907A	2907	PNP TRANSISTOR	Q3
1	PMBT3906	3906	PNP TRANSISTOR	Q5
2	DBL324V		QUAD OPAMP	U5-6
1		10R	RESISTOR SIZE 0603	R129
1			RESISTOR SIZE 0603	R51
2		---	RESISTOR SIZE 0603	R93 R180
1		0R	RESISTOR SIZE 0603	R119
18		100K	RESISTOR SIZE 0603	R10 R13-14 R16 R22 R27 R31 R33-37 R92 R96 R106 R126 R133 R143
1		100K,1%	RESISTOR SIZE 0603	R26
1		100R	RESISTOR SIZE 0603	R128
14		10K	RESISTOR SIZE 0603	R4-6 R39 R44 R56 R62 R68 R83 R89 R91 R94 R100 R121
1		10K,1%	RESISTOR SIZE 0603	R117
1		120K	RESISTOR SIZE 0603	R77
2		15K	RESISTOR SIZE 0603	R12 R95
1		180R	RESISTOR SIZE 0603	R17
4		18K	RESISTOR SIZE 0603	R43 R69 R97 R142
2		1K	RESISTOR SIZE 0603	R132 R139
1		1K5	RESISTOR SIZE 0603	R47
1		1K5,1%	RESISTOR SIZE 0603	R109
1		1R2	RESISTOR SIZE 0603	R9
7		22K	RESISTOR SIZE 0603	R63 R84 R99 R107 R115-116 R118
1		22K +/-1%	RESISTOR SIZE 0603	R58
3		27K	RESISTOR SIZE 0603	R52-54
1		27K,1%	RESISTOR SIZE 0603	R32
4		2K2	RESISTOR SIZE 0603	R11 R59 R71 R112
1		330K	RESISTOR SIZE 0603	R105
1		330R	RESISTOR SIZE 0603	R49
3		33K	RESISTOR SIZE 0603	R1 R82 R101
1		39K	RESISTOR SIZE 0603	R42

4		3K3	RESISTOR SIZE 0603	R15 R46 R130 R138
2		3K9	RESISTOR SIZE 0603	R60 R72
2		470K	RESISTOR SIZE 0603	R76 R136
12		47K	RESISTOR SIZE 0603	R8 R18 R23-24 R30 R38 R40 R74-75 R80 R104 R127
1		47K +/-1%	RESISTOR SIZE 0603	R57
12		4K7	RESISTOR SIZE 0603	R3 R28 R66 R79 R87 R98 R111 R113-114 R123 R131 R140
2		560R	RESISTOR SIZE 0603	R65 R86
4		56K	RESISTOR SIZE 0603	R61 R64 R73 R85
1		5K6	RESISTOR SIZE 0603	R103
6		680K	RESISTOR SIZE 0603	R29 R50 R78 R102 R110 R122
1		680R	RESISTOR SIZE 0603	R48
4		68K	RESISTOR SIZE 0603	R7 R25 R41 R81
6		6K8	RESISTOR SIZE 0603	R45 R70 R90 R108 R135 R137
2		82K	RESISTOR SIZE 0603	R67 R88
1	DBL5018V		SINGLE CONVERSION DEMOD	U8
1	TS-1150HV		TACT SWITCH	SW2
2	TMC3KJB10K-TR	10K	TRIMMER POTENTIOMETER	R55 R141
2	XC6204B362MR		VOLTAGE REGULATOR WITH STROBE	U2 U7