

PART-LIST

Bill of Materials

WTSMALL.S01

Quantity	Type	Value	Ref Designators
2	CAP 0603	10 pF	C28,C46
1	CAP 0603	101 pF	C52
16	CAP 0603	102 pF	C5,C16,C24,C30,C35,C37, C41,C42,C44,C49,C53,C69, C73,C75,C76,C77
4	CAP 0603	12 pF	C13,C18,C47,C64
3	CAP 0603	18 pF	C43,C62,C74
1	CAP 0603	22 pF	C54
6	CAP 0603	3 pF	C4,C31,C32,C34,C36,C45
1	CAP 0603	39 pF	C56
1	CAP 0603	4.7 pF	C50
14	CAP 0603	47 pF	C1,C2,C3,C6,C7,C10,C17, C22,C38,C48,C55,C59,C65, C71
3	CAP 0603	5.6 pF	C15,C26,C61
2	CAP 0603	6.8 pF	C14,C51
1	CAP 0603	8.2 pF	C63
4	CAP 0805	103 pF	C66,C67,C68,C80
12	CAP 0805	104 pF	C8,C9,C11,C20,C21,C23,C25, C29,C33,C40,C58,C72
3	CAP 0805	105 pF	C19,C57,C70
1	CAP TANTALUM	4.7 uF	C27
3	COIL INDUCTOR	0.1uH	L1,L2,L3
4	COIL SPRING	4T1D	L4,L5,L14,L17
6	COIL SPRING	5T1.5D	L6,L7,L8,L9,L12,L15
2	COIL SPRING	6T1D	L10,L11
1	CRYSTAL 13MM	20.948MHz	XT1
1	DIODE SMD	1N4148	D5
1	FILTER CERAMIC	450 KHz	F1
1	FILTER CRYSTAL	21.4MHz	F2
1	IC SMD	3371	IC1
1	IC SMD	15E03	IC2
1	IC SMD	LM2982	IC3
1	IFT	H195	B2
1	IFT	003C	B1

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Quantity	Type	Value	Ref Designators
2	RESISTOR 0603	10 OHM	R7,R22
1	RESISTOR 0603	101 OHM	R2
3	RESISTOR 0603	102 OHM	R3,R38,R49
7	RESISTOR 0603	104 OHM	R,R23,R24,R25,R26,R44,R50
1	RESISTOR 0603	122 OHM	R16
1	RESISTOR 0603	123 OHM	R48
4	RESISTOR 0603	151 OHM	R5,R8,R12,R20
2	RESISTOR 0603	152 OHM	R31,R41
2	RESISTOR 0603	153 OHM	R33,R36
4	RESISTOR 0603	182 OHM	R1,R6,R11,R27
1	RESISTOR 0603	183 OHM	R40
1	RESISTOR 0603	221 OHM	R17
1	RESISTOR 0603	244 OHM	R29
1	RESISTOR 0603	273 OHM	R13
2	RESISTOR 0603	331 OHM	R4,R51
1	RESISTOR 0603	392 OHM	R37
1	RESISTOR 0603	47 OHM	R34
2	RESISTOR 0603	472 OHM	R10,R32
2	RESISTOR 0603	473 OHM	R28,R43
1	RESISTOR 0603	513 OHM	R47
1	RESISTOR 0603	514 OHM	R30
1	RESISTOR 0603	561 OHM	R18
1	RESISTOR 0603	68 OHM	R35
1	RESISTOR 0603	682 OHM	R39
1	RESISTOR 0603	821 OHM	R9
5	RESISTOR 0603	822 OHM	R14,R15,R19,R42,R46
1	RESISTOR VARIABLE	104 OHM	R45
1	VC-DIO SMD	2105	D2
2	VC-DIO SMD	3860	D1,D4
1	VC-DIO SMD	MMBV809	D3
3	TRANSISTOR SMD	BF998	Q7,Q8,Q9
1	TRANSISTOR SMD	31625	Q1
1	TRANSISTOR SMD	38043	Q2
1	TRANSISTOR SMD	41511	Q3
1	TRANSISTOR SMD	BC848	Q10
2	TRANSISTOR SMD	BFR92	Q5,Q6

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BASEV2.REP

Quantity	Type	Value	Ref Designators
1	IC	7806	IC2
1	IC (SMD)	XC62FP3302PR	IC1
1	BATTERY	4.5V	BAT1
1	CAP CHIP	100 PF (0603)	C40
7	CAP CHIP	1000 PF (0603)	C10,C12,C26,C27,C34,C55, C79
3	CAP CHIP	0.01 UF (0805)	C46,C56,C57
18	CAP CHIP	0.1 UF (0805)	C4,C5,C8,C9,C11,C13,C17, C18,C20,C23,C25,C32,C33, C37,C45,C47,C59,C81
6	CAP CHIP	1 UF (0805)	C6,C36,C43,C48,C51,C70
1	CAP CHIP	0.015 UF(0805)	C61
1	CAP CHIP	18 PF (0603)	C19
3	CAP CHIP	2.2 UF (0805)	C14,C24,C35
2	CAP CHIP	0.02 UF (0805)	C22,C28
2	CAP CHIP	22 PF (0603)	C30,C31
1	CAP CHIP	2200 PF (0603)	C53
2	CAP CHIP	0.022 UF(0805)	C44,C54
5	CAP CHIP	39 PF (0603)	C38,C39,C41,C42,C49
1	CAP CHIP	39*PF (0603)	C50
1	CAP CHIP	0.04 UF (0805)	C60
14	CAP CHIP	47 PF (0603)	C7,C21,C29,C58,C62,C63, C64,C65,C66,C68,C75,C76, C77,C78
2	CAP CHIP	4700 PF (0603)	C16,C52
1	CRYSTAL (3X8MM)	4 MHz	XT1
1	DIODE	4001	D1
10	DIODE (SMD)	4148	D2,D3,D4,D5,D6,D7,D8,D9, D10,D11
1	IC (SMD)	CMX808A	IC4
1	IC (SMD)	93C46	IC6
1	IC (SMD)	KA8602B	IC3
4	CAP ELECT 5X12MM	220uF/10V	C1,C15,C69,C74
6	CAP ELECT 4X8MM	47uF/10V	C2,C3,C67,C71,C72,C73
1	JACK	DC JACK	JACK2
1	JACK	EARPHONE JACK	JACK1
1	IC (SMD)	KS57C2304	IC5
1	LCD		LCD1
2	LED (SMD)		LED1,LED2
1	IC (SMD)	LM324	U1
1	MIC		MIC1
1	TRANSISTOR (SMD)	BC848B	Q3

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BASEV2.REP

Quantity	Type	Value	Ref Designators
3	TRANSISTOR (SMD)	2PB709AS	Q1,Q2,Q4
4	RES CHIP	1K OHM (0603)	R20,R81,R83,R84
17	RES CHIP	10K OHM (0603)	R2,R7,R10,R19,R21,R32,R34, R40,R46,R47,R48,R66,R68, R70,R74,R79,R80
4	RES CHIP	100K OHM (0603)	R13,R29,R30,R57
1	RES CHIP	120 OHM (0603)	R55
2	RES CHIP	12K OHM (0603)	R67,R78
1	RES CHIP	1.5K OHM (0603)	R45
3	RES CHIP	15K OHM (0603)	R33,R39,R85
1	RES CHIP	150K OHM (0603)	R28
1	RES CHIP	1.8K OHM (0603)	R31
2	RES CHIP	18K OHM (0603)	R51,R69
1	RES CHIP	180K OHM (0603)	R26
7	RES CHIP	22K OHM (0603)	R24,R27,R43,R49,R63,R64, R65
4	RES CHIP	220K OHM (0603)	R15,R22,R36,R62
2	RES CHIP	3.3K OHM (0603)	R8,R50
1	RES CHIP	33K OHM (0603)	R23
2	RES CHIP	390 OHM (0603)	R4,R35
1	RES CHIP	3.9K OHM (0603)	R60
2	RES CHIP	39K OHM (0603)	R41,R52
1	RES CHIP	5.6 OHM (0603)	R71
4	RES CHIP	5.1K OHM (0603)	R6,R11,R25,R77
9	RES CHIP	51K OHM (0603)	R1,R3,R12,R18,R56,R59,R61, R76,R87
1	RES CHIP	510K OHM (0603)	R16
4	RES CHIP	56K OHM (0603)	R38,R42,R44,R58
1	RES CHIP	6.8K OHM (0603)	R14
1	RES CHIP	68K OHM (0603)	R17
1	SPEAKER		SP1
1	SWITCH	CALL	S4
1	SWITCH	DOWN	S2
1	SWITCH	MODE	S3
1	SWITCH	MON	S6
1	SWITCH	TALK	S5
1	SWITCH	UP	S1
1	SWITCH		SW1
1	VOLUME	10K	VR1

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