

**Electronic Controlled Systems, Inc. dba King Controls, Inc.**

**Model: VQ1**

**Bill of Materials**

04-092101-01		REMOTE MAIN PCB SMT ASS'Y <input checked="" type="checkbox"/>	1	<input type="checkbox"/>
	10-092101-00	REMOTE MAIN PCB	1	
	11-140000-62	0603 C.R. 1/16W 5% 0 OHM	1	R23
	11-241002-61	0603 M.R. 1/16W 1% 10K	1	R11
	11-241053-61	0603 C.R. 1/16W 1% 105K	1	R10
	11-244990-61	0603 M.F.R. 1/16W 1% 499 OHM	1	R7
	11-291004-61	0603 M.F.RES 1/10W 1% 1M	1	R1
	11-291503-61	0603 M.F.R. 1/10W 1% 150K	2	R8-9
	11-292202-61	0603 C.R. 1/10W 1% 22K	16	R2-6,12,14-22,25
	15-016104-93	0603 C.C X7R 16V 10% 0.1UF	3	C1,2,5
	15-050103-93	0603 C.C X7R 50V 10% 0.01UF	1	C7
	15-050181-92	0603 C.C. NPO 50V 5% 180PF	1	C22
	15-050220-92	0603 C.C NPO 50V 5% 22PF	2	C20-21
	15-050270-92	0603 C.C NPO 50V 5% 27PF	2	C12-13
	15-050330-92	0603 C.C NPO 50V 5% 33PF	3	C8,15,19
	15-050332-93	0603 C.C X7R 50V 10% 3.3NF	1	C14
	15-050399-95	0603 C.C NPO 50V ±0.1PF 3.9PF	1	C9
	15-050472-93	0603 C.C X7R 50V 10% 4700PF	1	C16
	15-050479-95	0603 C.C NPO 50V ±0.1PF 4.7PF	1	C11
	15-050689-95	0603 C.C NPO 50V ±0.1PF 6.8PF	1	C10
	18-006680-63	B TAN.CAP 6.3V 10% 68UF	1	C3
	18-010220-23	A TAN.CAP 10V 10% 22UF	1	C4
	22-020046-00	ZEN. DIODE SCHOTTKY 40V 1A SMB (MBRS140TR)	1	D3
	22-060001-11	TRANS. 9014C SOT23 SMT	1	Q2
	22-080023-00	MOSFET N-CH 20V 3A SOT23 (IRL ML2502TRPBF)	1	Q1
	23-100218-30	IC PIC16F946	1	U1
	23-100219-30	NRF905 QFN32L/5X5	1	U3
	23-200066-30	IC STEP-UP VOLTAGE LM2621MM	1	U2
	25-050029-00	INDUCTOR 6.8UH 1.2A SMT	1	L1
	26-060029-00	CRYSTAL ABL5-16MHZ-B2-T	1	X1
04-092102-01		REMOTE MAIN PCB FINAL ASS'Y	1	
	04-092101-01	REMOTE MAIN PCB SMT ASS'Y		
	26-050015-00	SPEAKER SH09C03YA φ9X4.0MM	1	SP
	28-070057-00	12 PINS CONNECTOR MALE	1	
	28-100118-00	ZEBRA CONN.: (VUQUBE)	1	
	34-092101-00	LCD	1	

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	60-004171-06	S/T SCREW:1.7X6MM PA "+"	4	
	70-092104-90	LCD HOLDER PMMA CLEAR	1	
	72-092101-00	BATTERY CONTACT	2	
	81-092101-00	LCD BACK LIGHT	1	
04-092103-01		REMOTE MEMBRANE SWITCH ASS'Y	1	
	1002464	CAP, CERAMIC, 0.1UF, 25V, X7R, 0603		C1,C2,C3
	1002434	DIODE, ARRAY TVS, LOW CAPACITANCE,SRV05-4		D1,D2,D3
	1015410	CONNECTOR, FFC ZIF, TOP CONTACT, 1MM PITCH, RA, SMT, 12 pin		J1
	1015409	CONNECTOR, FEMALE, 0.05IN PITCH, 6X2, LOW PROFILE, SMT		J2
08-092101-01		REMOTE HOUSING ASS'Y	1	
	04-092102-01	REMOTE MAIN PCB FINAL ASS'Y		
	04-092104-01	REMOTE TOUCH PCB FINAL ASS'Y	1	
	20936	MEMBRANE SWITCH	1	
	70-092101-90	TOP PANEL ABS WHITE	1	
	70-092102-90	BACK PANEL ABS WHITE	1	
	70-092103-90	BATTER DOOR ABS WHITE	1	
	70-092106-90	RUBBER CLEAR	1	
	72-092102-00	BATTERY CONTACT +VE	1	
	72-092103-00	BATTERY CONTACT -VE	1	
	72-912203-01	BATTERY CONTACT FOR +-VE	1	
	83-000027-00	BATTERY 1.5V AA (LR6/AM-3)	2	
04-092105-01		MAIN PCB SMT ASS'Y	1	
	10-092103-00	MAIN PCB	1	
	11-100100-82	2512 1W 5% 10 OHM	1	R43
	11-120000-32	1206 C.R. 1/4W 5% 0 OHM	2	R23,28
	11-140000-62	0603 C.R. 1/16W 5% 0 OHM	2	R34,41
	11-190121-62	C.R 0603 1/10W 5% 120 OHM	2	R6,37
	11-291001-61	0603 M.F.R 1/10W 1% 1K	1	R39
	11-241002-61	0603 M.R. 1/16W 1% 10K	7	R2-5,8,45,46
	11-241003-61	0603 C.R 1/16W 1% 100K	1	R36
	11-292001-61	0603 M.F.R. 1/10W 1% 2K	1	R40
	11-245603-61	0603 C.R. 1/16W 1% 560K	1	R35
	11-291004-61	0603 M.F.RES 1/10W 1% 1M	1	R11
	11-292202-61	0603 C.R. 1/10W 1% 22K	2	R1,9
	11-295491-61	0603 M.F.R. 1/10W 1% 5.49K	1	R38
	15-016104-93	0603 C.C X7R 16V 10% 0.1UF	9	C1,4,22,24-27,36

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	15-016103-93	0603 C.C X7R 16V 10% 0.01UF	1	C42
	15-050220-92	0603 C.C NPO 50V 5% 22PF	2	C16-17
	15-016225-C3	0603 C.C X5R 16V 10% 2.2UF	1	C41
	15-050332-93	0603 C.C X7R 50V 10% 3.3NF	1	C14
	15-050103-93	0603 C.C X7R 50V 10% 0.01UF	1	C7
	15-050181-92	0603 C.C. NPO 50V 5% 180PF	1	C2
	15-050270-92	0603 C.C NPO 50V 5% 27PF	2	C12-13
	15-050330-92	0603 C.C NPO 50V 5% 33PF	2	C8,18
	15-050472-93	0603 C.C X7R 50V 10% 4700PF	1	C6
	15-050399-95	0603 C.C NPO 50V ±0.1PF 3.9PF	1	C3
	15-050689-95	0603 C.C NPO 50V ±0.1PF 6.8PF	1	C10
	15-050479-95	0603 C.C NPO 50V ±0.1PF 4.7PF	1	C11
	18-010479-23	A TAN.CAP 10V 10% 4.7UF	1	C38
	18-016220-93	D TAN.CAP 16V 10% 22UF	2	C39-40
	18-025101-93	D TAN.CAP 25V 10% 100UF	3	C9,43-44
	18-025470-93	D TAN.CAP 25V 10% 4.7UF	1	C5
	22-020046-00	ZEN. DIODE SCHOTTKY 40V 1A SMB (MBRS140TR)	1	D4
	22-010033-00	RECTI. DIODE 2A 100V SMB MURA210T3	2	D5,6
	22-030096-00	0805 SMT LED GREEN	1	D7
	22-030097-00	0805 SMT LED RED	1	D1
	23-100218-30	IC PIC16F946	1	U1
	23-100219-30	NRF905 QFN32L/5X5	1	U3
	23-200082-30	IC LP2985IM5X-3.3/NOPB SOT23-5	1	U9
	23-200083-30	IC LM2575S-ADJ/NOPB TO-263	1	U2
	23-200084-30	IC MPC17531AEV 700MA 20-VMFP SMT	1	U5
	23-200085-30	IC LMV358/NOPB SO-8	2	U7-8
	25-050030-00	INDUCTOR 470UF 0.85A SMT	1	L1
	25-050031-00	INDUCTOR 56NH 1A SMT (1008)	2	L8-9
	26-060029-00	CRYSTAL ABL5-16MHZ-B2-T	1	U4
	33-200022-00	POLYSWITCH 1.0A 30V SMD	1	F1
04-092106-01		MAIN PCB FINAL ASS'Y	1	
	04-092105-01	MAIN PCB SMT ASS'Y		
	17-025102-54	E.CAP 25V 20% 1000UF 10X17MM	1	C48
	28-070059-00	8(2X4) PINS CONNECTOR MALE	1	J1
	28-070060-00	6 PINS CONNECTOR RJ-11	1	J2
	28-070061-00	CONNECTOR F JACK R/A	2	J12-13

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	28-070062-00	10(2X5) PINS CONN. MALE W/LATCH/EJECTOR	1	J7
	28-070063-00	10 PINS CONN. MALE W/LOCKING RAMP	1	J9
	28-070064-00	4 PINS CONN. MALE	2	J5-6