

ECHO ROCKIT KIT PARTS LIST - MECHANICAL PARTS

Qty	Description	Value	Designators
1	Potentiometer Linear taper	10K	R25
4	Potentiometer Linear taper	1M	R41, R46, R51, R60
6	Potentiometer Linear taper	100K	R6, R13, R30, R31, R37, R49
4	Jack (2 Conductor)	jack	J1, J2 , 2 x CV inputs
1	Battery Holder	9V Battery Holder	Holds B1
1	DPDT Switch	DPDT	S1
5	SPDT Switch	SPDT	S3, S4, S2, S5, S6
1	25' Roll of #22 Stranded Wire	Hookup Wire	
2	1.25" Machine Screws		
4	Nylon Spacers		
4	6/32 Machine Nuts		
1	ECHO ROCKIT PC BOARD	*****	*****

ECHO ROCKIT PARTS LIST - RESISTORS

Qty.	Description	Value	Designators
1	Resistor 1/4 Watt 5%	390K	R40
1	Resistor 1/4 Watt 5%	4.7M	R48
1	Resistor 1/4 Watt 5%	43K	R19
1	Resistor 1/4 Watt 5%	510K	R45
1	Resistor 1/4 Watt 5%	68K	R5
1	Resistor 1/4 Watt 5%	9.1K	R22
1	Resistor 1/4 Watt 5%	91K	R14
1	Resistor 1/4 Watt 5%	120K	R4
1	Resistor 1/4 Watt 5%	39K	R66
1	Resistor 1/4 Watt 5%	15K	R21
1	Resistor 1/4 Watt 5%	200 ohm	R55
1	Resistor 1/4 Watt 5%	240K	R47
1	Resistor 1/4 Watt 5%	24K	R38
1	Resistor 1/4 Watt 5%	270K	R20
2	Resistor 1/4 Watt 5%	150K	R17, R18
2	Resistor 1/4 Watt 5%	62K	R11, R50
2	Resistor 1/4 Watt 5%	2K	R7, R54
2	Resistor 1/4 Watt 5%	10K	R62, R63
3	Resistor 1/4 Watt 5%	200K	R43, R44, R59
3	Resistor 1/4 Watt 5%	20K	R9, R10, R16
3	Resistor 1/4 Watt 5%	22K	R23, R24, R26
3	Resistor 1/4 Watt 5%	47K	R35, R36, R39
4	Resistor 1/4 Watt 5%	4.7K	R32, R33, R64, R65
5	Resistor 1/4 Watt 5%	1K	R27, R29, R34, R42, R61
12	Resistor 1/4 Watt 5%	100K	R1, R2, R3, R8, R12, R15, R28, R52, R53, R56, R57, R58

ECHO ROCKIT PARTS LIST – CAPACITORS

Qty.	Description	Value	Designators
1	Capacitor Aluminum Bipolar (non polarized)	10uF	C18
1	Capacitor Electrolytic	47uF	C12
1	Capacitor Ceramic	.005uF	C22
1	Capacitor Ceramic	47pF	C8
2	Capacitor Ceramic	560pF	C5, C11
2	Capacitor Ceramic	330pF	C19, C20
2	Capacitor Electrolytic	470uF	C24, C25
2	Capacitor Tantalum Electrolytic	1uF	C9, C10
5	Capacitor Ceramic	.1uF	C13, C14, C15, C16, C23
8	Capacitor Aluminum Bipolar (non-polar)	1uF	C1, C2, C3, C4, C6, C7, C17, C21

ECHO ROCKIT PARTS LIST - SEMICONDUCTORS

Qty.	Description	Value	Designators
1	LM13700 Dual gm OpAmp	LM13700	U4
2	LM324 Quad Low Power Op Amp	LM324	U1, U5
1	LM78L05 5V Voltage Regulator	LM78L05	U2
1	PT2399 Echo Processor IC	PT2399	U3
2	MPF102	MPF102	Q1, Q2
1	Transistor NPN 2N3904	2N3904	Q3
1	1N914 Sw. Diode	1N914	D1
2	14 Pin IC Sockets		
2	16 Pin IC Sockets		