

QTY	VALUE	PARTS	DESCRIPTION	MANUFACTURER PART NUMBER	VENDOR PART NUMBER	SOURCE	UNIT PRICE (IN 100+ BRACKET)	EXTENDED PRICE
1	5.1k,0.7kV	R14	1/2W resistor, metal film, 700V	KOA Speer MF1/2CC5101F	660-MF1/2CC5101F	http://www.mouser.com/ProductDe	0.14	0.14
1	1M	R11	1/4W resistor, metal film, 700V	KOA Speer MF1/4DCT52R1004F	660-MF1/4DCT52R1004F	http://www.mouser.com/Product	0.08	0.08
1	1.1M	R12	1/4W resistor, metal film, 700V	KOA Speer MF1/4DCT52R1104F	660-MF1/4DCT52R1104F	http://www.mouser.com/Product	0.08	0.08
1	5.1M,0.7kV	R13	1/4W resistor, metal film, 700V	Vishay VR25000005104JA100	594-5043DM5M100J	http://www.mouser.com/Product	0.16	0.16
1	10M	R3	1/4W resistor, metal film, 700V	TE RGP0207CHJ10M	279-RGP0207CHJ10M	http://www.mouser.com/Product	0.24	0.24
1			9V battery spring cradle	Keystone 95	534-095	http://www.mouser.com/Product	0.85	0.85
1	LM78L05ACZX	IC1	Linear voltage regulator, 5V@0.1A out	Fairchild LM78L05ACZX	512-LM78L05ACZX	http://www.mouser.com/ProductDe	0.121	0.121
								0
1	75	R19	1/4W resistor, carbon film	Stackpole CF14JT75R0	CF14JT75R0CT-ND	http://www.digikey.com/product	0.0219	0.0219
14	1k	R16, R18, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34	1/4W resistor, carbon film	Stackpole CF14JT1K00	CF14JT1K00CT-ND	http://www.digikey.com/product	0.008	0.112
1	2.4k	R22	1/4W resistor, carbon film	Stackpole CF14JT2K40	CF14JT2K40CT-ND	http://www.digikey.com/product	0.0219	0.0219
1	4.7k	R6	1/4W resistor, carbon film	Stackpole CF14JT4K70	CF14JT4K70CT-ND	http://www.digikey.com/product	0.0219	0.0219
1	6.2k	R17	1/4W resistor, carbon film	Stackpole CF14JT6K20	CF14JT6K20CT-ND	http://www.digikey.com/product	0.0219	0.0219
3	10k	R1, R2, R15	1/4W resistor, carbon film	Stackpole CF14JT10K0	CF14JT10K0CT-ND	http://www.digikey.com/product	0.01624	0.04872
1	20k	R5	Potentiometer, 20k, 1/2W, 10%, 21 turns	Vishay T93YA203KT20	T93YA-20K-ND	http://www.digikey.com/product	1.0665	1.0665
1	22k	R4	1/4W resistor, carbon film	Stackpole CF14JT22K0	CF14JT22K0CT-ND	http://www.digikey.com/product	0.0219	0.0219
1	36k	R21	1/4W resistor, carbon film	Stackpole CF14JT36K0	CF14JT36K0CT-ND	http://www.digikey.com/product	0.0219	0.0219
1	100k	R20	1/4W resistor, carbon film	Stackpole CF14JT100K	CF14JT100KCT-ND	http://www.digikey.com/product	0.0219	0.0219
1	4.7M	R7	1/4W resistor, carbon film	Stackpole CF14JT4M70	CF14JT4M70CT-ND	http://www.digikey.com/product	0.0219	0.0219
1	6.8M	R8	1/4W resistor, carbon film	Stackpole CF14JT6M80	CF14JT6M80CT-ND	http://www.digikey.com/product	0.0219	0.0219

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2	1G	R9, R10	1/4W resistor, metal film, 700V	TE 1-1623708-2	A106006CT-ND	http://www.digikey.com/product	0.5365	1.073
1	1mH	L1	Inductor, radial package	Bourns RLB0914-102KL	RLB0914-102KL-ND	http://www.digikey.com/product	0.2	0.2
1	47p	C5	MLCC in radial package with 0.1" lead spacing required	AVX SR152A470KAR	478-3164-ND	http://www.digikey.com/product	0.129	0.129
1	4.7n,1kV	CHV	Ceramic in radial package with 0.2" lead spacing required	Vishay S472M39Z5UN63J5R	1288PH-ND	http://www.digikey.com/product-det	0.1102	0.1102
1	10n	C7	MLCC in radial package with 0.1" lead spacing required	Kemet C320C103K1R5TA	399-4260-ND	http://www.digikey.com/product	0.0921	0.0921
1	15n	C3	MLCC in radial package with 0.1" lead spacing required	Kemet C315C153M5U5TA	399-4161-ND	http://www.digikey.com/product	0.1292	0.1292
1	220n	C6	MLCC in radial package with 0.1" lead spacing required	Kemet C320C224M5U5TA	399-4289-ND	http://www.digikey.com/product	0.2001	0.2001
1	1u	C4	MLCC in radial package with 0.1" lead spacing required	Kemet C315C105K3R5TA	399-9714-ND	http://www.digikey.com/product	0.4301	0.4301
3	10u	C1, C2, C8	MLCC in radial package with 0.2" lead spacing required	TDK FK26X7R1E106K	445-8552-ND	http://www.digikey.com/product	0.29332	0.87996
1		LED1	Blue LED, 3mm T-1 package	Kingbright WP710A10QBC/D	754-1596-ND	http://www.digikey.com/product	0.2016	0.2016
1		LED2	Red-green LED, 5mm T-1 3/4 package	Kingbright WP59EGW	754-1232-ND	http://www.digikey.com/product	0.2016	0.2016
1	BA159	D2	Fast switching diode, DO-41 package required	Vishay BA159-E3/54	BA159-E3/54GICT-ND	http://www.digikey.com/product	0.1377	0.1377
2	FQN1N50C	Q1, Q2	N-channel MOSFET, TO-92 package	Fairchild FQN1N50CTA	FQN1N50CTACT-ND	http://www.digikey.com/product	0.3034	0.6068
2	2N3904	Q3, Q4	NPN Transistor, TO-92 package	Fairchild 2N3904BU	2N3904FS-ND	http://www.digikey.com/product	0.1134	0.2268
1	TL5001	IC2	Power converter control chip	TI TL5001AIP	296-10203-5-ND	http://www.digikey.com/product	1.4918	1.4918
1	LMC555	IC3	LMC555 CMOS-based 555 timer	TI LMC555CN/NOPB	LMC555CN/NOPB-ND	http://www.digikey.com/product	0.9041	0.9041
1	MCP6004	IC4	quad op-amp	Microchip MCP6004-I/P	MCP6004-I/P-ND	http://www.digikey.com/product	0.33	0.33
								0
1	AB9V	G1	9-V BATTERY SNAP	Keystone 2238	2238K-ND	http://www.digikey.com/product	0.6139	0.6139
1	9V	9V	9V battery	Energizer EN22	N145-ND	http://www.digikey.com/product	1.6625	1.6625
1		JP1	3-PIN male HEADER	FCI 68000-203HLF	609-3464-ND	http://www.digikey.com/product	0.0934	0.0934
1			2 hole female shunt	FCI 68786-202LF	609-2217-ND	http://www.digikey.com/product	0.1534	0.1534

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1		IO1	6-PIN male HEADER	FCI 68000-206HLF	609-3256-ND	http://www.digikey.com/product	0.2136	0.2136
1			Self-driven piezo buzzer	Mallory MSR516NR	458-1088-ND	http://www.digikey.com/product	5.0197	5.0197
1			SPST slide switch	NKK AS11CH	360-2728-ND	http://www.digikey.com/product	3.23	3.23
2			DIP-8 socket	On Shore ED08DT	ED3044-5-ND	http://www.digikey.com/product	0.1073	0.2146
1			DIP-14 socket	On Shore ED14DT	ED3045-5-ND	http://www.digikey.com/product	0.1118	0.1118
2			Fuse clips to hold SBM-20	Keystone 3535	3535K-ND	http://www.digikey.com/product	0.184	0.368
								0
2			#4-40x1/4" flat head machine screw		90273A106	http://www.mcmaster.com/#902	0.0347	0.0694
2			#4-40x3/16" pan head machine screw, PLASTIC		93135A271	http://www.mcmaster.com/#931	0.0504	0.1008
2			3/8" OAL plastic standoff, female #4-40 threading both ends		92319A330	http://www.mcmaster.com/#923	1.14	2.28
2			#2-56x3/16" flat head machine screw		90273A050	http://www.mcmaster.com/#902	0.0276	0.0552
2			#2-56 nut (3/16" wide)		90480A003	http://www.mcmaster.com/#904	0.0121	0.0242
4			#4-40x3/16" pan head thread-cutting screw		90087A105	http://www.mcmaster.com/#900	0.0767	0.3068
								0
1			Case	052C+CUSTOM		Order direct from Serpac.	17.36	17.36
1	SBM20	GM1	SBM-20 GM tube	SBM-20		Email for quote on large quantities	12	12
1			printed circuit board			Order from Amitron.	5.5	5.5

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