

Ref	Value	Part Number	Price @ 1000	Source
C1	10uF	81-GRM21BR61E106KA3L	\$0.13	Mouser.com
C2	.01uF	581-06033A100K	\$0.05	Mouser.com
C3	100nF	77-VJ0603V104ZXAPBC	\$0.03	Mouser.com
C4	100nF	77-VJ0603V104ZXAPBC	\$0.03	Mouser.com
C5	100nF	77-VJ0603V104ZXAPBC	\$0.03	Mouser.com
C6	220uF	598-AVE227M10X16T-F	\$0.07	Mouser.com
C7	100nF	77-VJ0603V104ZXAPBC	\$0.03	Mouser.com
C8	30pF	80-C0603C300J5G	\$0.01	Mouser.com
C9	30pF	80-C0603C300J5G	\$0.01	Mouser.com
C10	100nF	77-VJ0603V104ZXAPBC	\$0.03	Mouser.com
C11	100nF	77-VJ0603V104ZXAPBC	\$0.03	Mouser.com
C12	560pF	81-GRM185C1E561JA01D	\$0.02	Mouser.com
C13	560pF	81-GRM185C1E561JA01D	\$0.02	Mouser.com
C14	100nF	77-VJ0603V104ZXAPBC	\$0.03	Mouser.com
C15	100nF	77-VJ0603V104ZXAPBC	\$0.03	Mouser.com
C16	10uF	81-GRM21BR61E106KA3L	\$0.13	Mouser.com
C17	100nF	77-VJ0603V104ZXAPBC	\$0.03	Mouser.com
C18	100nF	77-VJ0603V104ZXAPBC	\$0.03	Mouser.com
C19	10uF	80-C0603C103K3R	\$0.01	Mouser.com
C20	30pF	80-C0603C300J5G	\$0.01	Mouser.com
C21	30pF	80-C0603C300J5G	\$0.01	Mouser.com
C22	30pF	80-C0603C300J5G	\$0.01	Mouser.com
C23	30pF	80-C0603C300J5G	\$0.01	Mouser.com
D1	DIODE	78-1N4148W-VGS18	\$0.04	Mouser.com
D2	DIODE	78-1N4148W-VGS18	\$0.04	Mouser.com
D3	DIODE	78-1N4148W-VGS18	\$0.04	Mouser.com
D4	25V ZENER	863-MMSZ4710T1G	\$0.10	Mouser.com
D5	40V 3A Schottky	625-BD340A-E3/61T	\$0.15	Mouser.com
D6	DIODE	625-SRP300B-E3	\$0.15	Mouser.com
D7	DIODE	625-SRP300B-E3	\$0.15	Mouser.com
F1	3.6A	576-2920L185	\$0.30	Mouser.com
F2	1A	576-1812L110PRT	\$0.19	Mouser.com
IC1	ATMEGA328P-A	556-ATMEGA328P-AU	\$2.77	Mouser.com
IC2	SC16IS740	771-SC16IS740IPWQ900	\$1.40	Mouser.com
IC3	LM339	595-LM339PWR	\$0.11	Mouser.com
IC4	LM317-8	863-LM317LDG	\$0.14	Mouser.com
IC5	SCANTOOL	STN1110	\$7.99	Scantools.net
IC6	MCP2551	579-MCP2551-I/SN	\$0.78	Mouser.com
IC7	TPS5430	595-TPS5430DDA	\$2.99	Mouser.com
IC8	TPS77633	595-TPS77633D	\$1.21	Mouser.com
J1	AVR-ISP-6	517-30306-6002HB	\$0.29	Mouser.com
J2	Spare Cnct Pts			
J3	RJ45 GPS Cnct	571-5555167-1	\$0.55	Mouser.com
J3	RJ45 GPS Cnct	678-300268	\$0.29	Mouser.com
J4	User Interface	798-DF3A-6P-2DS10	\$0.11	Mouser.com
J4	User Interface	798-DF3-6S-2C	\$0.06	Mouser.com
J5	Pwr Switch Cnct.	798-DF3-4S-2C16	\$0.04	Mouser.com
J5	Pwr Switch Cnct.	798-DF3A-4P-2DS10	\$0.08	Mouser.com
J6	DB9	152-3309	\$0.92	Mouser.com

J7	LED Display	517-30316-5002	\$0.66	Mouser.com
J7	Disp. Ribbon Cable	517-3603/16	\$0.45	Mouser.com
J7	LED Display	538-54597-1600	\$0.14	Mouser.com
J8	Power Jack	806-KLDX-0202-A	\$0.31	Mouser.com
L1	10uH	810-MLF1608E100M	\$0.05	Mouser.com
L2	100uH	810-VLCF528T101MR332	\$0.64	Mouser.com
LED1	LED	859-LTST-C190GKT	\$0.04	Mouser.com
LED2	LED	859-LTST-C190GKT	\$0.04	Mouser.com
LED3	LED	859-LTST-C190GKT	\$0.04	Mouser.com
LED4	LED	859-LTST-C190GKT	\$0.04	Mouser.com
LED5	LED	859-LTST-C190GKT	\$0.04	Mouser.com
Q1	NPN	512-MMBT3646	\$0.02	Mouser.com
Q2	MOSFET_N	771-2N7002BK215	\$0.03	Mouser.com
Q3	PNP	512-MMBT3640	\$0.20	Mouser.com
Q4	NPN	512-MMBT3646	\$0.02	Mouser.com
Q5	NPN	512-MMBT3906	\$0.01	Mouser.com
Q6	NPN	512-MMBT3906	\$0.01	Mouser.com
Q7	NPN	512-MMBT3646	\$0.02	Mouser.com
Q8	NPN	512-MMBT3646	\$0.02	Mouser.com
R1	3.24k	71-TNPW06033K24BEEN	\$0.41	Mouser.com
R2	10k	301-10K-RC	\$0.00	Mouser.com
R3	10K	301-10K-RC	\$0.00	Mouser.com
R4	10K	301-10K-RC	\$0.00	Mouser.com
R5	10K	301-10K-RC	\$0.00	Mouser.com
R6	1k	667-ERJ-3GEYJ102V	\$0.00	Mouser.com
R7	1k	667-ERJ-3GEYJ102V	\$0.00	Mouser.com
R8	10K	301-10K-RC	\$0.00	Mouser.com
R9	10K	301-10K-RC	\$0.00	Mouser.com
R10	10K	301-10K-RC	\$0.00	Mouser.com
R11	10K	301-10K-RC	\$0.00	Mouser.com
R12	10K	301-10K-RC	\$0.00	Mouser.com
R13	10K	301-10K-RC	\$0.00	Mouser.com
R14	2K	660-RK73B1JT2D202J	\$0.02	Mouser.com
R15	8K	302-8.06K-RC	\$0.02	Mouser.com
R16	10K	301-10K-RC	\$0.00	Mouser.com
R17	10K	301-10K-RC	\$0.00	Mouser.com
R18	10K	301-10K-RC	\$0.00	Mouser.com
R19	240	652-CR0603-JW-241ELF	\$0.01	Mouser.com
R20	866	71-CRCW0805-866-E3	\$0.02	Mouser.com
R21	374	71-CRCW0603-374-E3	\$0.02	Mouser.com
R22	10K	301-10K-RC	\$0.00	Mouser.com
R23	2.2K	652-CR0603-JW-222ELF	\$0.01	Mouser.com
R24	10K	301-10K-RC	\$0.00	Mouser.com
R25	10K	301-10K-RC	\$0.00	Mouser.com
R26	1k	667-ERJ-3GEYJ102V	\$0.00	Mouser.com
R27	1k	667-ERJ-3GEYJ102V	\$0.00	Mouser.com
R28	510	660-RK73B2ETTE511J	\$0.07	Mouser.com
R29	510	660-RK73B2ETTE511J	\$0.07	Mouser.com
R30	10k	301-10K-RC	\$0.00	Mouser.com
R31	1k	667-ERJ-3GEYJ102V	\$0.00	Mouser.com

R32	4.7k	71-CRCW0603J-4.7K-E3	\$0.02	Mouser.com
R33	100	652-CR0603-JW-101GLF	\$0.01	Mouser.com
R34	100	652-CR0603-JW-101GLF	\$0.01	Mouser.com
R35	10k	301-10K-RC	\$0.00	Mouser.com
R36	62k	71-CRCW0603-62K-E3	\$0.02	Mouser.com
R37	10k	301-10K-RC	\$0.00	Mouser.com
R38	10	667-ERJ-3GEYJ100V	\$0.00	Mouser.com
R39	1k	667-ERJ-3GEYJ102V	\$0.00	Mouser.com
R40	1k	667-ERJ-3GEYJ102V	\$0.00	Mouser.com
R41	1k	667-ERJ-3GEYJ102V	\$0.00	Mouser.com
R42	1k	667-ERJ-3GEYJ102V	\$0.00	Mouser.com
R43	100k	667-ERJ-3GEYJ104V	\$0.00	Mouser.com
R44	1k	667-ERJ-3GEYJ102V	\$0.00	Mouser.com
R45	1.5k	667-ERJ-3GEYJ152V	\$0.00	Mouser.com
R46	4.7k	667-ERJ-3EKF2202V	\$0.00	Mouser.com
R47	10k	301-10K-RC	\$0.00	Mouser.com
R48	10k	301-10K-RC	\$0.00	Mouser.com
R49	1k	667-ERJ-3GEYJ102V	\$0.00	Mouser.com
R50	1k	667-ERJ-3GEYJ102V	\$0.00	Mouser.com
X1	16 MHz Xtal	815-ABLS-16.0M-T	\$0.15	Mouser.com
X2	16 MHz Xtal	815-ABLS-16.0M-T	\$0.15	Mouser.com
X3	14.7456 MHz Xtal	815-ABLS-14.7456M-T	\$0.15	Mouser.com
	Rotary Encoder	652-PEC11-4220F-S24	\$0.77	Mouser.com
	Power Switch	629-AA211B31	\$0.49	Mouser.com
	LED Display	DE-DP14112	\$23.90	SureElectronics.net
	Case Moulds		\$7.00	estimate
	Case Plastic		\$2.00	estimate