REF	VALUE	DESCRIP	MFR
B1	3.3V	HOLDER BATT CR2032	LINX
C1	22 pF	CAP CER SMD 0402 22 5 NPO	AVX
C2	22 pF	CAP CER SMD 0402 22 5 NPO	AVX
C3	12 pF	CAP CER SMD 0603 12 5 NPO	MURATA
C4	12 pF	CAP CER SMD 0603 12 5 NPO	MURATA
C5	12 pF	CAP CER SMD 0603 12 5 NPO	MURATA
C6	12 pF	CAP CER SMD 0603 12 5 NPO	MURATA
C7	4.7 uF	CAP CER SMD 4.7uF 10% X7R 25V	MURATA
C8	4.7 uF	CAP CER SMD 4.7uF 10% X7R 25V	MURATA
C9	22 pF	CAR CER SMD 0402 22 5 NPO	AVX
C10	100 uF	CAP LYTIC 100u 20% 6.3V	NICHICON
C11	4.7 uF	CAP CER SMD 4.7u 10% X7R 25V	MURATA
C12	10 uF	CAP LYTIC SMD 10uF 20% 16V	NICHICON
C13	.01 uF	CAP CER SMD .01 10 X7R 16V	MURATA
D1	RED	DIODE LED RED 1206	Kingbright
D2	RED	DIODE LED RED 1206	Kingbright
D3	RED	DIODE LED RED 1206	Kingbright
D4	RED	DIODE LED RED 1206	Kingbright
D5	RED	DIODE LED RED 1206	Kingbright
D6	RED	DIODE LED RED 1206	Kingbright
D7	RED	DIODE LED RED 1206	Kingbright
D8	RED	DIODE LED RED 1206	Kingbright
D9	RED	DIODE LED RED 1206	Kingbright
D10	RED	DIODE LED RED 1206	Kingbright
D11	RED	DIODE LED RED 1206	Kingbright
D12	RED	DIODE LED RED 1206	Kingbright
D13	RED	DIODE LED RED 1206	Kingbright
D14	RED	DIODE LED RED 1206	Kingbright
D15	RED	DIODE LED RED 1206	Kingbright
D16	RED	DIODE LED RED 1206	Kingbright
D17	RED	DIODE LED RED 1206	Kingbright
D18	RED	DIODE LED RED 1206	Kingbright
D19	RED	DIODE LED RED 1206	Kingbright
D20	RED	DIODE LED RED 1206	Kingbright
D21	RED	DIODE LED RED 1206	Kingbright
D22	RED	DIODE LED RED 1206	Kingbright
D23	RED	DIODE LED RED 1206	Kingbright
D24	RED	DIODE LED RED 1206	Kingbright
D25	RED	DIODE LED RED 1206	Kingbright
D26	RED	DIODE LED RED 1206	Kingbright
D27	RED	DIODE LED RED 1206	Kingbright
D28	RED	DIODE LED RED 1206	Kingbright
D29	RED	DIODE LED RED 1206	Kingbright
D30	RED	DIODE LED RED 1206	Kingbright
D31	RED	DIODE LED RED 1206	Kingbright
D32	RED	DIODE LED RED 1206	Kingbright
D33	RED	DIODE LED RED 1206	Kingbright
D34	RED	DIODE LED RED 1206	Kingbright

D35	RED	DIODE LED RED 1206	Kingbright
D36	RED	DIODE LED RED 1206	Kingbright
D37	RED	DIODE LED RED 1206	Kingbright
D38	RED	DIODE LED RED 1206	Kingbright
D39	RED	DIODE LED RED 1206	Kingbright
D40	RED	DIODE LED RED 1206	Kingbright
D41	S01575	DIODE SIG SMD 75V 1206	BOURNS
F1	.5 A	FUSE POLY .5A 15V	Littelfuse
J1	POWER	06-WAY SIL VERT SOCKET	HARWIN
J2	CONN_8	SOCKET STRP .1 1X8	HARWIN
J3	CONN_8	SOCKET STRP .1 1X8	HARWIN
J4	CONN_8	SOCKET STRP .1 1X8	HARWIN
J5	CONN_8	SOCKET STRP .1 1X8	HARWIN
J6	CONN_8	SOCKET STRP .1 1X8	HARWIN
J7	CONN_4	SOCKET STRP .1 1X4	
OHL1	LABEL	LOGO Open Hardware	P/O PCB
P1	USB_2_MALE	CONN USB PCB M	P/O PCB
P2	AVR-ISP-6A	CONN SPI AVR	
R1	120	RES CER SMD 0603 120 5 1/10	PANASONIC
R2	120	RES CER SMD 0603 120 5 1/10	PANASONIC
R3	120	RES CER SMD 0603 120 5 1/10	PANASONIC
R4	120	RES CER SMD 0603 120 5 1/10	PANASONIC
R5	120	RES CER SMD 0603 120 5 1/10	PANASONIC
R6	10K	RES CER SMD 0603 10K 5 1/16	PANASONIC
R7	0	RES CER SMD 0603 0	PANASONIC
R8	0	RES CER SMD 0603 0	PANASONIC
R9	0	RES CER SMD 0603 0	PANASONIC
R10	5V	VRSTR ESD 0603 LO-CAP	BOURNS
R11	5V	VRSTR ESD 0603 LO-CAP	BOURNS
S1	RESET	SW PB SMD N.O.	PANASONIC
S2	PF1	SW PB SMD N.O.	PANASONIC
S3	PF2	SW PB SMD N.O.	PANASONIC
TP1	USB_D-	USB D- TP	P/O PCB
TP2	USB_D+	USB D+ TP	P/O PCB
U1	ATMEGA128RFA1	IC MICROCONT RF 2450	ATMEL
U2	LP2985-33	IC REG 3.3V LDO SOT5	TI
Y1	16.000 MHz	XTAL 16 MHZ	ABRACON
Y2	32.768 KHz	XTAL RTC 32768	ECS
Z1	ANTENNA	ANTENNA PRINTED	P/O PCB
Z2	100 OH BAL	LINE TRANS 100 OHM	P/O PCB

* 500 pc. Pricing

MFR_PN	PRICE	ASY_STATUS	SUPPLIER_1
BAT-HLD-001	0.23	Y	Mouser 712-BAT-HLD-001
04023U220JAT2A	0.04	Y	Mouser 581-04023U220JAT2A
04023U220JAT2A	0.04	Y	Mouser 581-04023U220JAT2A
GRM1885C1H120JA01D	0.0103	Y	Mouser 81-GRM39C120J50
GRM1885C1H120JA01D	0.0103	Y	Mouser 81-GRM39C120J50
GRM1885C1H120JA01D	0.0103	Y	Mouser 81-GRM39C120J50
GRM1885C1H120JA01D	0.0103	Y	Mouser 81-GRM39C120J50
GRM31CR71E475KA88L	0.11	Y	Mouser 81-GRM31CR71E475KA88
GRM31CR71E475KA88L	0.11	Y	Mouser 81-GRM31CR71E475KA88
04023U220JAT2A	0.04	Y	Mouser 581-04023U220JAT2A
UWX0J101MCL1GB	0.21	Y	Mouser 647-UWX0J101MCL1
GRM31CR71E475KA88L	0.11	DO NOT PLACE	Mouser 81-GRM31CR71E475KA88
UWF1C100MCL1GB	0.1	DO NOT PLACE	Mouser 647-UWF1C100MCL1GB
GRM188R71C103KA01D	0.015	DO NOT PLACE	Mouser 81-GRM18R71C103KA01D
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK

APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
APTL3216SURCK	0.05	Y	Mouser 604-APTL3216SURCK
CD1206-S01575	0.04	Y	Mouser 652-CD1206-S01575
1206L050/15YR	0.21	DO NOT PLACE	Mouser 576-1206L050/15YR
M20-7820646	0.48	DO NOT PLACE	Mouser 855-M20-7820646
M20-7820842	0.55	DO NOT PLACE	Mouser 855-M20-7820842
M20-7820842	0.55	DO NOT PLACE	Mouser 855-M20-7820842
M20-7820842	0.55	DO NOT PLACE	Mouser 855-M20-7820842
M20-7820842	0.55	DO NOT PLACE	Mouser 855-M20-7820842
M20-7820842	0.55	DO NOT PLACE	Mouser 855-M20-7820842
		DO NOT PLACE	
		DO NOT PLACE	
		DO NOT PLACE	
		DO NOT PLACE	
ERJ-3GEYJ121V	0.0026	Y	Mouser 667-ERJ-3GEYJ121V
ERJ-3GEYJ121V	0.0026	Y	Mouser 667-ERJ-3GEYJ121V
ERJ-3GEYJ121V	0.0026	Y	Mouser 667-ERJ-3GEYJ121V
ERJ-3GEYJ121V	0.0026	Y	Mouser 667-ERJ-3GEYJ121V
ERJ-3GEYJ121V	0.0026	Y	Mouser 667-ERJ-3GEYJ121V
ERJ-3GEYJ103V	0.0026	Y	Mouser 667-ERJ-3GEYJ103V
ERJ-3GEY0R00V	0.0026	Y	Mouser 667-ERJ-3GEY0R00V
ERJ-3GEY0R00V	0.0026	Y	Mouser 667-ERJ-3GEY0R00V
ERJ-3GEY0R00V	0.0026	DO NOT PLACE	Mouser 667-ERJ-3GEY0R00V
CG0603MLC-05E	0.09	DO NOT PLACE	Mouser 652-CG0603MLC-05E
CG0603MLC-05E	0.09	DO NOT PLACE	Mouser 652-CG0603MLC-05E
EVQQ2P02W	0.25	Y	Mouser 667-EVQQ2P02W
EVQQ2R02W	0.25	DO NOT PLACE	Mouser 667-EVQQ2P02W
EVQQ2P02W	0.25	DO NOT PLACE	Mouser 667-EVQQ2P02W
		DO NOT PLACE	
		DO NOT PLACE	
ATMEGA128RFA1-ZU	5.28	Y	Mouser 556-ATMEGA128RFA1-ZU
LP2985-33DBVR	0.36	DO NOT PLACE	Mouser 595-LP2985-33DBVR
ABMM-16.000MHZ-B2-T	0.5	Y	Mouser 815-ABMM-16-B2-T
520-ECS327-12.5-17X-TR	0.8	Y	Mouser 520-ECS327-12.5-17X-TR
		DO NOT PLACE	
W=50 H=63 T=1		DO NOT PLACE	

TOTAL PRICE*   _14.4196_

; does not include CR-2032 battery;

SUPPLIER_2

Digikey 490-1405-1-ND
Digikey 490-1405-1-ND
Digikey 490-1405-1-ND
Digikey 490-1405-1-ND
Digikey 490-1809-1-ND
Digikey 490-1809-1-ND

Digikey 493-2088-1-ND
Digikey 490-1809-1-ND

Digikey 490-1525-1-ND

DigiKey 952-1809-ND
Digikey 952-1823-ND
Digikey 952-1823-ND
Digikey 952-1823-ND
Digikey 952-1823-ND
Digikey 952-1823-ND

DigiKey P120GCT-ND
DigiKey P120GCT-ND
DigiKey P120GCT-ND
DigiKey P120GCT-ND
DigiKey P120GCT-ND
Digikey P10KGCT-ND
Digikey P0.0GCT-ND
Digikey P0.0GCT-ND
Digikey P0.0GCT-ND

Digikey P12943SCT-ND
Digikey P12943SCT-ND
Digikey P12943SCT-ND

Digikey ATMEGA128RFA1-ZU-ND

DigiKey 535-9155-1-ND
DigiKey XC1195CT-ND