

Sheet1

Schematic Symbol	Part Description	Part-Number	Source	Qty	Unit Price	Total Per Board	Cost for 40 Kits
PCB	Printed Circuit Board	n/a	PCB-Cart.com	1	\$2.68	\$2.68	\$107.20
IC1	PIC16F877A TQFP 44	PIC16F877A-I/PT	Microchip (samplk	1	\$0.00	\$0.00	\$0.00
IC2	MAX1675 Boost Converter	MAX1675EUA+-ND	Maxim-IC	1	\$2.69		
IC3	DS1307 Real Time Clock	DS1307Z+	Maxim-IC	1	\$2.26		
LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8, LED9, LED10, LED11, LED12	OSRAM LATBT686-QR+RS+KL-Z	RC475-1236-1-ND	www.hebeiltd.com	12	\$0.62		
S1,S2,S3	Tactile Switch Omron B3F-1002	SW401-ND	Digikey	3	\$0.25	\$0.75	\$30.00
Q1	4Mhz Crystal Oscillator FOXSLF/040	631-1097-ND	Digikey	1	\$0.62	\$0.62	\$24.80
Q2	32.768kHz Crstal Oscillator ECS-3X8	X801-ND	Digikey	1	\$0.32	\$0.32	\$12.80
G1	AA Battery Clip	BCAAL-ND	Digikey	1	\$0.52	\$0.52	\$20.80
G2	CR2032 Battery Clip	BU2032-1-HD-G-ND	Digikey	1	\$0.68	\$0.68	\$27.20
R2	0805 1.3k Resistor	MCR10EZHZ132	Digikey	1	\$0.09	\$0.09	\$3.48
R6,R7,R8,R9,R10,R11, R12	0805 10k Resistor	MCR10EZPJ103	Digikey	7	\$0.04	\$0.27	\$10.64
R13	0805 100k resistor	MCR10EZPJ104	Digikey	1	\$0.04	\$0.04	\$1.52
R3	0805 10 ohm resistor	ESR10EZPJ100	Digikey	1	\$0.16	\$0.16	\$6.48
R4, R5	0805 25 ohm resitor	ESR10EZPJ250	Digikey	2	\$0.16	\$0.32	\$12.96
C1, C2, C3, C4, C6, C7	100nF 0805 decoupling Capacitors	U	Digikey	6	\$0.05	\$0.31	\$12.24
C6, C7	15pF 0805 caps	500R15N150JV4T	Digikey	2	\$0.05	\$0.10	\$4.00
C5	100uF Electrolytic Capacitor	P963-ND	Digikey	1	\$0.11	\$0.11	\$4.40
L1	10uH Inductor	M9981-ND	Digikey	1	\$1.22	\$1.22	\$48.80
D1,D2	Diodes	568-1601-1-ND	Digikey	2	\$0.11	\$0.21	\$8.58
						\$8.40	\$335.90