

Ref Des	Description	Digi-Key Part#	Mouser Part#
U1	GFD chip (PIC16LF627A)	---	
D1,D2	BAT48 Schottky diode	497-2512-1	511-BAT48
D3,D4	1N4148 switching diode	1N4148FS	512-1N4148
D5	5.1V Zener diode	1N5231BDICT	512-1N5231B
X1	4.0 MHz HC-49 Crystal, 20 pF HC-49	X1045	520-HCU-400-20
R1,R2	10K ohm 1/4 W resistor	10KQBK	
R3	820K ohm 1/4 W resistor	820KQBK	
R4	560 ohm 1/4 W resistor	560QBK	
R8	560K ohm 1/4 W resistor	560KQBK	
R9	560 ohm 1/4 W resistor	560QBK	
C1,C4,C8	0.1 uF ceramic cap, 0.1" lead spacing	399-2127	
C2,C3	22 pF ceramic cap, 0.1" lead spacing	BC1005CT	
C5	4.7 uF 50V electrolytic capacitor	P5177	
C9	15 pf ceramic cap, 0.1" lead spacing	BC1003CT	
	Pin header	S1011E-36	
M1	1 x 16 Lumex LCD module	67-1778	LCM-S01601DTR
	Female connector for LCD module	S4114	
	PC board		
BH1	3 AAA Battery Holder	2479K	12BH431P
W1,2	Banana Plugs Lockwashers for banana plugs	108-0753-001	530-108-0753-00
U2	MAX9031, SOT23-5 SMT Pkg	MAX9031AUK+TCT	
R5	47K ohm 1/4 W resistor	47KQBK	
R6	1M ohm 1/4 W resistor	1MQBK	
R7	680K ohm 1/4 W resistor	680KQBK	
C6	0.1 uF ceramic cap, 0.1" lead spacing	399-2127	
C7	47 uF 35V electrolytic capacitor	P5164	
C10	1 uF 50V Non-polar electrolytic	P1196	