

Item	Quantity	Schematic Ref	Part	Possible source	Unit Price	Total price	Notes
1	1	CON1	HE10 2*17 header (34 pinsThrough Hole)	(farnell 2215313)	0,776	0,776	
2	2	C1,C2	22pF capacitors (SMD 0805)	(farnell 1414678)	0,0221	0,0442	
3	7	C3,C4,C5,C6,C7,C9,C12	100nF capacitors (SMD 0805)	(farnell 1759143) (! 100)	0,0122	0,0854	
4	1	C8	100uF 10V capacitor (SMD 7343)	(farnell 1457492)	1,29	1,29	
5	2	C11,C13	10uF capacitor (SMD 3528)	(farnell 1457413)	0,216	0,432	
6	3	D1,D2,D3	SMD LED (SMD 1206)	(farnell 8530033)	0,174	0,522	
7	1	D4	Small Signal Diode BAS16 (SOT 23)	(farnell 1621825)	0,115	0,115	See P1
8	1	D5	Transil Diode SMA6J5.0A	(farnell 1689250)	0,46	0,46	Over voltage / ESD Protection
9	1	F1	BOURNS MF-USMF075 0.75A SMD Fuse (SMD 1210)	(farnell 1294886)	0,806	0,806	Over current Protection
10	1	J2	HE10 2*7 header (14 pins)	(farnell 3418558)	1,35	1,35	If no onboard LCD / For front panel
11	1	J3	HE10 3*4 header (12 pins)	(farnell 3418303) *3	0,87	0,87	
12	1	J4	4 pins HEADER (Tyco 171826-4)	(farnell 1056115)	0,25	0,25	
13	1	P1	Magnetic sounder 5V	(farnell 1193539)	1,48	1,48	Magnetic sounder type-> POP D4,NOPOP R26. Piezzo sounder type-> NOPOP D4, POP R26.
14	2	Q2,Q3	NPN Transitor BC817-16L (SOT 23)	(farnell 1459035)	0,033	0,066	
15	14	R3,R6,R7,R12,R14,R15,R18,R21,R24,R25,R26,R27,R29,R31	Resistor 1K ohms (SMD 0805)	(farnell 1653281)	0,0675	0,945	
16	9	R4,R8,R17,R20,R23,R32,R33,R34,R35	Resistor 220 ohms (SMD 0805)	(farnell 1469899)	0,009	0,081	
17	1	R5	Resistor 240 ohms (SMD 0805)	(farnell 9332871)	0,052	0,052	
18	1	R28	Resistor 180 ohms (SMD 0805)	(farnell 9332707)	0,049	0,049	
19	3	R9,R16,R19	Resistor 110 ohms (SMD 0805)	(farnell 9333762)	0,0265	0,0795	
20	3	R36,R37,R38	Resistor 10K ohms (SMD 0805)	(farnell 9333720)	0,0342	0,1026	
21	1	R30	Resistor 330 ohms (SMD 0805)	(farnell 9333037)	0,05	0,05	
22	3	SW1,SW2,SW3	SW PUSH BUTTON	(farnell 1217773)	0,458	1,374	
23	1	U3	PIC18F4620 MCU (40 pins DIL)	(farnell 1212704)	6,82	6,82	
	1		Online PIC MCU Programming	Contact hxc2001.com	12	12	Online PIC Programming / Activation available. Please contact us at hxc2001 (at) hxc2001.com
24	1	U4	SD Memory Card Connector (With write-protect switch and card-detect function)	(farnell 9186140)	1,32	1,32	
25	1	U10	74LS38 (14 pins DIL)	(farnell 1470758)	1,1	1,1	
26	1	U11	Adjustable Regulator LD1117/LT1117/LM1117 (SOT223)	(farnell 1469050)	0,892	0,892	
27	1	U12	2 Line x 16 Characters Intelligent Character Display	(farnell 2063171)	13,66	13,66	
28	1	U13	23K256 32K SPI SRAM (SO8)	(farnell 1695547)	1,17	1,17	
29	1	VR1	10kohms potentiometer	(farnell 1463544)	0,468	0,468	
30	1	Y1	10Mhz 18pF quartz (Through Hole)	(farnell 9713697)	0,972	0,972	
31	22	Jumpers on J3	Configuration jumper on J3	(farnell 2396301)	0,0873	0,1746	
32		LCD mechanical fixing	LCD mechanical fixing		?	?	
33	1	PCB Board	PCB Board	See Gerber files			

Total (full set) 49,8563  
Total (no scre 36,1963

Prices in Euros  
Prices subject to changes