



Qty	Reference(s)	Value	Description
1	BZ1	Piezo Buzzer	TDK PS1240P02BT
1	C1	1000pF	WIMA Film, 2.5%
1	C2	1000pF	WIMA Film, 1%
3	C3, C6, C7	10uF	Electrolytic, 16V
1	C4	10uF	Tantalum, 16V
1	C5	0pF	Ceramic, 0.1" or 0.2", not fitted
2	C9, C10	22pF	Ceramic disc, 0.1"
2	C11, C12	100nF	MLCC, 0.1"
1	D1	BAT42	Schottky diode
1	D2	1N4148	small signal diode
2	D3, D4	3mm LED	D3 yellow, D4 blue
4	H1, H2, H3, H4	Mounting Hole	M3 hardware
1	J1	Red Probe	CalTech CT3151V1-2
1	J2	Black Probe	CalTech CT3151V1-0
1	J3	DC Barrel Jack	CUI PJ-102AH
1	J4	9V Battery Header	not fitted
1	J5	ICSP Header	2x3 male, 0.1"
1	J6	UART Header	1x3 male, 0.1", not fitted
2	J7, J8	Supports A & B	1x4 male, 0.1", not fitted
1	K1	DPDT Relay	Kemet UA2-5NE or equiv.
1	K2	SPST Reed Relay	Medex SIL05-1A72-71L or equiv.
1	L1	82uH	Fixed Inductor, 5%
1	Q1	2N3904	TO-92 NPN
8	R1, R9-R11, R14-R17	1K	0.25W, 5%
1	R2	120R	0.25W, 5%
3	R3, R4, R13	10K	0.25W, 5%
3	R5, R6, R7	100K	0.25W, 5%
1	R8	47K	0.25W, 5%
1	R12	6.8K	0.25W, 5%
1	R18	68R	0.25W, 5%
2	S1, S2	SPST Switch	6mm TACTILE
1	SW1	SPDT Slide Switch	OS102011MA1QN1
1	U1	L4931CZ50-AP	IC REG LINEAR 5V 250MA TO92-3
1	U2	LM311	IC DIP-8
1	U4	ATmega328P_DIP28	IC 8-bit MCU
1	U5	TFT Display	MSP1803, 128x160 pixel
1	Y1	16MHz crystal	HC49-U

Additional miscellaneous components: AVR external programmer, LC Meter PCB, 9VDC Adapter, 8pin DIP sockets for the LM311 IC, 28-pin DIP socket for the ATmega328, 4-pin and 8-pin male headers for the display module, 4 pin and 8-pin female headers for the display socket.