

Move It carefully Parts List - prices valid as of 22nd May 2024

	Note, cost are calculated on qty required and individual unit cost, but parts are often bought in minimum quantities, so actual costs will be greater and you will end up with spares.					
Part	Part no	URL	Notes	QTY Required per Kit	Component Cost	Cost per kit
AA*3 PCB Mount battery holder	MP000326	https://au.element14.com/multicomp-pro/mp000326/battery-holder-aa-through-hole/dp/3126562		1	2.67	2.67
Notes	Use 2mm double sided tape to hold the battery holder on to the board take the strain off the pins as the battery holder is upside down on the board.					
4 Digit 7 Segment Led Display	5643AS-1 \$7.42 per 5	https://www.aliexpress.com/item/1005003093303907.html?spm=a2g0o.order_detail.order_detail_item.7.407bf19c1CRLw0	4 Bit hour and Cathode	1	1.484	1.484
Resistors	NOTE: Hole spacing on the PCB for the resistors is 10mm, so only use 1/4w resistors as these have a 6.8 mm body width.					
R1-5,R7,R12	1k			6	0.04	0.24
R8-11,R13-16	10k			8	0.04	0.32
R6	100k			1	0.04	0.04
R17-24	470			8	0.04	0.32
Diode	1N4148			1	0.04	0.04
IC's	16F877A			1	\$5.98	\$5.98
Buzzers	TMB12A05 \$6.17 per 10	https://www.aliexpress.com/item/32914327679.html?spm=a2g0o.order_list.order_list_main.11.6e5e1802aeKPdE		2	\$0.62	\$1.24
IC sockets	40 pin ic socket			1	\$0.60	\$0.60
Capacitors,						
C1 and C2	20PF ceramic			2	0.4	0.8
C3-6	100nf ceramic			4	0.25	1
Transistors						
Q1-5	2N2222A			5	0.2	1
Xtal	4MHZ			1	0.8	0.8
Pin Header	\$5.79 In lots of 10	https://www.aliexpress.com/item/4000857385112.html?spm=a2g0o.order_list.order_list_main.55.7a521802mfkn3F		1	5.79	5.79
Jumper-cap	\$5.8 per 100, only need 2 minimum	https://www.aliexpress.com/item/1005005742483759.html?spm=a2g0o.order_list.order_list_main.11.53c31802h5QguB		2	\$0.06	\$0.12
Dupont Cables	length 10cm, 2P, Single head Female	https://www.aliexpress.com/item/1005006251780591.html?spm=a2g0o.order_detail.order_detail_item.3.4c22f19cOeOmQy	In lots of 10	7	\$0.46	\$3.22
	length 10cm, 3P, Single head Female		In lots of 10	1	\$0.50	\$0.50
Switches	Momentary Toggle switch	https://www.aliexpress.com/item/1005005355135422.html?spm=a2g0o.order_list.order_list_main.76.7a521802mfkn3F		3	\$5.29	\$15.87

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Part	Part no	URL	Notes	QTY Required per Kit	Component Cost	Cost per kit
	Momentary Pushbutton	https://www.aliexpress.com/item/1005006119912030.html?spm=a2g0o.order_list.order_list_main.70.7a521802mfkn3F		3	3.76	11.28
	Tilt Switches SW-200D	https://www.aliexpress.com/item/1005003996382012.html?spm=a2g0o.order_list.order_list_main.117.7a521802mfkn3F		4	0.71	2.84
	Dip Switches		4 switch	1	0.553	0.553
Plugs and sockets						\$0.00
	XLR Plug				\$9.12	\$0.00
	XLR Socket				\$6.18	\$0.00
	6.35mm plug		Does not matter if its stereo or mono, as only the switch is used		\$2.29	\$0.00
	6.35mm socket		Must have the switch in it, does not matter if its stereo or mono		\$2.78	\$0.00
						\$0.00
Standoffs	Standoffs M3 (Thread 6mm), 11mm Male to female with Screw and nut	https://www.aliexpress.com/item/1005005777014669.html?spm=a2g0o.cart.0.0.975a38dapmrATO&mp=1	\$6.42 for 30 sets, need 4 per kits	4	\$0.21	\$0.86
						\$0.00
Box	263-182-95	https://www.aliexpress.com/item/1005005848967422.html?spm=a2g0o.order_list.order_list_main.30.7d7b1802Dzqu2D		1	\$26.25	\$26.25
Board	JLPCB		\$35.32 for 5	1	\$7.06	\$7.06
Battery	AA * 3			3	\$0.50	\$1.50
					cost per kit	\$92.37
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