Find Me parts list Jun 2023

| Part | Supplier | Part no | Note | URL | Cost per | |
|---|---|---|---|---|---|---|
| | **Battery Holder and alternatives** | | | | | |
| **AA PCB Mount battery holder** | Altronics | S5027 | | https://www.altronics.com.au/p/s5027-2-x-aa-pcb-mount-flat-battery-holder/ | $1.10 | |
| | Element14 | MP000325 | Alternative | https://au.element14.com/multicomp-pro/mp000325/battery-holder-aa-through-hole/dp/3126561?st=mp000325 | | |
| **Notes** | Use double sided tape to hold the battery holder on to the board, to take the strain off the pins when the batteries are replaced | | | | | |
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| **Double sided tape** | Get 10mm wide, tape 2mm thick you only need a 20-30mm long section so 1 roll goes a long way | | | https://www.aliexpress.com/item/1005001354937624.html?spm=a2g0o.order_list.order_list_main.40.3d3a1802Dw0LD3 | 0.04 | |
| | | | | | | |
| **AA battery (2)** | Coles | Need 2 of these per kit | | | 1.10 | |
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| **LED** | Ledsales | 5MM_DIFF_RED | Red colour | https://www.ledsales.com.au/index.php?main_page=product_info&cPath=148_152_154_252&products_id=2229 | 0.2 | |
| | This is a nice and bright diffused LED 4000mcd so can be seen from a distance which is important for this project. | | | | | |
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| **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. | | | | | |
| | Also use the brown coloured carbon film 5% resistors not the blue/green as its easier to see the colours against the brown background | | | | | |
| **R1** | 180k | | | https://www.altronics.com.au | 0.06 | |
| **R2** | 4.7k | | | | 0.06 | |
| **R3** | 100 ohms | | | | 0.06 | |
| **R4** | 1K | | | | 0.06 | |
| **R5** | 10K | | | | 0.06 | |
| **Note** | Recommend using ¼ carbon film as it is easier to see the difference in the colour bands than on the metal film | | | | | |

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| Capacitor | Element 14 | MCRH16V476M5X11 | 47uf 16V | https://au.element14.com/multicomp/mcrh16v476m5x11/cap-47-f-16v-20/dp/9451714 | 0.17 | |
| | | | | | | |
| Potentiometer | Element 14 | 3386F-1-105TLF | Not recommended as they cost $4.29 | https://au.element14.com/bourns/3386f-1-105tlf/trimmer-1m/dp/9354603 | | |
| | Aliexpress | 3386F-1-105TLF | | https://www.aliexpress.com/item/32783054938.html?spm=a2g0o.9042311.0.0.27424c4dc3sTRo | $0.51 | |
| Buzzer | Element 14 | MCKPX-G1203UB-K4065 | This is an active buzzer, just needs a Dc voltage in the 2v-5v range | https://au.element14.com/multicomp-pro/mckpx-g1203ub-k4065/magnetic-buzzertransducer/dp/1756568?CMP=i-55c5-00001622 | $0.81 | |
| | If you can not get an active buzzer in the 2V range, then you can use 9V to power the circuit, and use a higher voltage buzzer, but you will have to add in R6, and also recalculate R3,4, and 5 to suit a 9v Circuit. See the Circuit diagram for more information. | | | | | |
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| Dip Switch | Element 14 | 78B02T | | https://au.element14.com/grayhill/78b02t/switch-2-way-spst-raised/dp/9479031?st=78b02 | $2.63 | |
| | | | | | | |
| 555 | Element 14 | NE555P | | https://au.element14.com/texas-instruments/ne555p/timer-single-precision-dip8-0/dp/3006909?st=ne555 | $0.67 | |
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| Transistor | Element 14 | BC557B | | https://au.element14.com/multicomp/bc557b/transistor-pnp-45v-100ma-to-92/dp/1574384?CMP=e-email-sys-orderack-GLB | $0.26 | |
| | | | | | | |
| Slide Switch | Element 14 | OS102011MA1QS1 | | https://au.element14.com/c-k-components/os102011ma1qs1/switch-slide-shorting-spdt/dp/2435103 | $0.80 | |
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| 8 Pin IC Socket | Element 14 | | | https://au.element14.com/multicomp/spc15494/dip-socket-8pos-2row-2-54mm-th/dp/2668408?st=8%20pin%20ic%20socket | $0.24 | |
| Board | JLPCB | | | | $2.00 | |

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| | | | | **Total - Cheapest prices** | **$10.83** | |
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