# eWoggle Parts list -  valid as of end Feb 2025

| Part | Supplier | Part no | Notes | URL | Qty Required | Single unit cost | Total Single unit cost | Qty each in lots of 100 | Total unit Cost per 100 |
|---|---|---|---|---|---|---|---|---|---|
| | | **Battery Holder** | Note | | | | | | |
| Recommended 2*AAA PCB Mount battery holder | Element14 | MP000342 | Does not include Freight | https://au.element14.com/multicomp-pro/mp000342/battery-holder-aaa-through-hole/dp/3126579 | 1 | 1.55 | 1.55 | $1.12 | $1.12 |
| | | | | | | | | | |
| Pic Micro | Element14 | PIC12F1572-I/P | Does not include Freight | https://au.element14.com/microchip/pic12f1572-i-p/mcu-8bit-pic12-32mhz-dip-8/dp/2387255 | 1 | 1.61 | 1.61 | 1.45 | $1.45 |
| 8 Pin IC Socket | Element14 | | Does not include Freight | https://au.element14.com/multicomp/spc15494/dip-socket-8pos-2row-2-54mm-th/dp/2668408?st=8 pin ic socket | 1 | 0.26 | 0.26 | 0.26 | $0.26 |
| | | | | | | | | | |
| Resistors R1-R4 | Element14 | 470ohm 5% ¼ watt | Does not include Freight | https://au.element14.com/multicomp-pro/mcf-0-25w-470r/res-470r-5-250mw-axial-carbon/dp/9339531 | 4 | 0.09 | 0.36 | 0.067 | $0.27 |
| R5 | Element14 | 10kohm 5% ¼ watt | Does not include Freight | https://au.element14.com/multicomp-pro/mcf-0-25w-10k/res-10k-5-250mw-axial-carbon-film/dp/933906002 | 1 | 0.051 | 0.051 | 0.051 | $0.05 |
| | | | | | | | | | |
| | | | | | | | | | |
| Leds 1-8 | Aliexpress | 3mm diffused leds | Includes freight | https://www.aliexpress.com/item/1005003320140965.html?spm=a2g0o.order_list.order_list_main.41.66251802cnZckL | 8 | 0.055 | 0.44 | 0.055 | $0.44 |
| | Note: Only use Red, orange, yellow and green, they all work in the 1.8-2V range, anything else uses over 3.2V and this circuit does not provide enough voltage to power them. You need 8 leds in total, 2 of each colour. Prices have been worked out on packs of 100. | | | | | | | | |
| Switch 1 | Aliexpress | 1212-112DB | Includes freight | https://www.aliexpress.com/item/32753488309.html?spm=a2g0o.order_list.order_list_main.25.17501802CM0Aea | 1 | $0.40 | $0.40 | $0.40 | $0.40 |
| | Price based on pack of 10 Switches | | | | | | | | |
| | | | | | | | | | |
| Tapes | Aliexpress | 0.8mm for switch, (need 10mm width, 12mm length, I roll will do about 250 kits). 3 rolls sold together | Includes freight | https://www.aliexpress.com/item/1005007389297919.html?spm=a2g0o.order_list.order_list_main.5.488b18026RcnLF | 1 | $0.01 | $0.01 | $0.01 | $0.01 |
| | Aliexpress | 2mm thick *10mm wide for the battery holder, need 24mm width per holder, 208 kits per roll. | Includes freight | https://www.aliexpress.com/item/1005001354937624.html?spm=a2g0o.order_list.order_list_main.40.3d3a1802Dw0LD3 | 1 | $0.04 | $0.04 | $0.04 | $0.04 |
| Velcro | Aliexpress | Velcro | 20mm width, and you need a 130mm length per kit. i Roll will do 38 kits | https://www.aliexpress.com/item/1005004276275166.html?spm=a2g0o.cart.0.0.273b38dar5aSVp&mp=1&pdp_npi=5@dis!AUD!AUD 4.44!AUD 4.30!!!!!@210318e817402184283694593ef64d!12000028598749183!ct!AU!4177334621!!1!0 | 1 | $0.23 | $0.23 | $0.23 | $0.23 |
| | | | | | | | | | |
| Solder | Anyone you can find | Need about 1.3 g (30 cm) of 0.8mm solder per kit | | | 1 | 0.2 | 0.2 | 0.2 | $0.20 |
| | | | | | | | 0 | | $0.00 |
| Board | JLCPCB | | Does not include Freight | Single unit cost based on 15 boards | 1 | $1.70 | $1.70 | $1.03 | $1.03 |
| | | | | | | | | | |
| Battery | Jaycar | 100 pack | Cheapest I could find | https://www.jaycar.com.au/search?q=aaa batteries | 2 | $0.40 | $0.80 | $0.40 | $0.80 |
| | | | | | | | | | |
| | Office supplies | Label for Name and group | | https://www.averyproducts.com.au/product/white-rectangle-stickers-932009 | 1 | $0.05 | 0.05 | $0.05 | $0.05 |
| | | | | | | Single Unit Cost | $7.70 | Single Unit cost per 100 | $6.35 |