

| ID | Name | Designator | Footprint | Quantity | Manufacturer Part | Manufacturer | Supplier | Supplier Part | Price | Mounted |
|----|--------------------------------|--------------|--------------------------------|----------|--------------------------|----------------|----------|---|-------|---------|
| 1 | 47uF | C1 | | 1206 | 1 GRM31CR61A476KE15L | Murata | RS | 820-2853 | | Yes |
| 2 | CON_HEADER_1X06 | J1 | M1X6 | | 1 M20-9990645 | Harwin | RS | 681-2994 | | Yes |
| 3 | 2X03_NO_SILK | J2 | 2X03_NO_SILK | | 1 M20-9980346 | Harwin | RS | 745-7046 | | Yes |
| 4 | M021X02_NO_SILK | J3,J6 | 1X02_NO_SILK | | 2 251-8086 | RS Pro | RS | 251-8086 | | Yes |
| 5 | Raspberry Pi Zero Upside Down | J4 | PI_ZERO_UPSIDE_DOWN_1_HOLE_OPP | | 1 A-BL254-DG-G40D | Assmann | RS | 674-2369 | | Yes |
| 6 | PINHD-2X9-CBIG | J5 | 2X09-CLEANBIG | | 1 TSW-109-14-L-D | Samtec | RS | 767-1022 | | Yes |
| 7 | YELLOW | LED1 | LED3MM | | 1 L-934MBD | Kingbright | RS | 247-1561 | | Yes |
| 9 | RC2014_Backplane_Std | P1 | HDR-2.54-1X40P | | 1 613080258928 | Stelvio Kontek | RS | 155-737 | | Yes |
| 10 | RC2014_Backplane_Pro_Extension | P2 | HDR-2.54-1X24P-START-17 | | 1 See Item 9 | | | | | Yes |
| 11 | BS170 | Q5,Q6 | TO-92 | | 2 BS170 | On Semi | RS | 671-4736 | | Yes |
| 12 | 560R | R5 | | 805 | 1 560R | | | | | Yes |
| | | | | | | | | https://www.amazon.co.uk/Tecnostar-Tactile-Switches-switch-Arduino/dp/B06XWWW | | |
| 13 | SMD_PUSH_BIG_PADS | SW1,SW2,SW3 | SMD_PUSH_BIG_PADS | | 3 3 x 6 x 5 mm | Tecnostar | Amazon | F7YF | | Yes |
| 14 | 74LVC245N | U1,U2,U9,U11 | DIP254P762X420-20 | | 4 74LVC245AN | TI | Farnell | 1749756 | | Yes |
| | | | | | | | | https://www.amazon.co.uk/ESP-WROOM-32-ESP32-WIFI-BLE-Module/dp/B06Y1S6R | | |
| 15 | ESP32-WROOM | U12 | ESP32-WROOM_FOOTPRINT | | 1 ESP32_WROOM | ESPRESSIF | Amazon | HZ | | Yes |
| 16 | AZ1117H-3.3TRE1 | U7 | SOT-223 | | 1 AZ1117H-3.3TRE1 | Zetex | RS | 921-0701 | | Yes |
| 17 | 74HCT02N | U14 | DIP254P762X420-14 | | 1 74HCT02N | TI | Farnell | 1105963 | | Yes |
| 18 | 74HC590N | U3 | DIP254P762X508-16 | | 1 74HC590AN | TI | Farnell | 1470786 | | Yes |
| 19 | 74HC595N | U4 | DIP254P762X508-16 | | 1 74HC595N | TI | Farnell | 9591664 | | Yes |
| 21 | M08 | JP1 | 1X08_NO_SILK | | 1 681-2997 | RS Pro | RS | 681-2997 | | Yes |
| 22 | 10K | R2 | RESISTOR_ARRAY_SIP_13 | | 1 4613X-101-103LF | Bourns | Mouser | 652-4613X-1LF-10K | | Yes |
| 23 | 74HC138 DIL | U6 | DIP254P762X420-16 | | 1 74HC138 | FM | LCSC | C86611 | | Yes |
| 24 | 74HCT74N | U13 | DIP254P762X420-14 | | 1 74HCT74 | | | 1470823 | | Yes |
| 28 | CLOCK OUT | J31 | 1X02_NO_SILK | | 1 | | | | | Yes |
| 31 | 74LVC07AD,118 | U5 | SOIC-14_150MIL | | 1 74LVC07AD,118 | Nexperia | LCSC | C6049 | | Yes |
| | | | | | | | | https://shop.pimoroni.com/products/raspbe | | |
| 32 | Raspberry Pi Zero | | | | 1 Pi Zero | Raspberry Pi | Pimoroni | rry-pi-zero | | No |
| 33 | SD Card 4GB or bigger | | | | 1 SC Card | Various | Amazon | | | No |