List of components

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parts | Unit price | Qty. | Total | Link |
| **Dual DFF** | 0.074 | 25 | 1.85 | <https://uk.rs-online.com/web/p/flip-flop-ics/0526347/> |
| **Hex Inverter** | 2.078 | 5 | 10.39 | <https://uk.rs-online.com/web/p/buffers/6631607/> |
| **Quad NAND2** | 0.75 | 5 | 3.75 | <https://uk.rs-online.com/web/p/standard-logic-gates/6632353/> |
| **5V Regulator** | 1.00 | 2 | 2 | <https://uk.rs-online.com/web/p/linear-voltage-regulators/2988508/> |
| **Zener Diode** | 0.057 | 100 | 5.7 | <https://uk.rs-online.com/web/p/rectifier-schottky-diodes/7930835/> |
| **MOS driver dual side** | 2.696 | 5 | 13.48 | <https://uk.rs-online.com/web/p/mosfet-power-drivers/8516847/> |
| **MOS driver positive** | 2.533 | 3 | 7.599 | <https://uk.rs-online.com/web/p/mosfet-power-drivers/7747674/> |
| **MOS driver negative** | 2.535 | 3 | 7.605 | <https://uk.rs-online.com/web/p/mosfet-power-drivers/6684386/> |
| **NMOS** | 0.566 | 10 | 5.66 | <https://uk.rs-online.com/web/p/mosfet-transistors/7085134/> |
| **220nF cap** | 0.049 | 100 | 4.9 | <https://uk.rs-online.com/web/p/ceramic-multilayer-capacitors/7235531/> |
| **10uF through hole cap** | 1.102 | 5 | 5.51 | <https://uk.rs-online.com/web/p/polyester-film-capacitors/1262258/> |
| **2.2uF cap** | 0.131 | 50 | 6.55 | <https://uk.rs-online.com/web/p/ceramic-multilayer-capacitors/7882929/> |
| **10pF high V** | 1.364 | 5 | 6.82 | <https://uk.rs-online.com/web/p/mica-capacitors/7441528/> |
| **27pF high V** | 1.986 | 5 | 9.93 | <https://uk.rs-online.com/web/p/mica-capacitors/0495672/> |
| **47pF high V** | 1.118 | 5 | 5.59 | <https://uk.rs-online.com/web/p/mica-capacitors/7441537/> |
| **100pF high V** | 0.978 | 5 | 4.89 | <https://uk.rs-online.com/web/p/mica-capacitors/7441530/> |
| **200pF high V** | 1.325 | 2 | 2.65 | <https://uk.rs-online.com/web/p/mica-capacitors/7441546/> |
| **470pF high V** | 2.38 | 2 | 4.76 | <https://uk.rs-online.com/web/p/mica-capacitors/7441568/> |
| **Pin Header** | 0.054 | 125 | 6.75 | <http://uk.rs-online.com/web/p/products/2518086/> |
| **Terminal Block** | 0.208 | 5 | 1.04 | <http://uk.rs-online.com/web/p/products/4258720/> |
| **Jumper** | 0.197 | 30 | 5.91 | <http://uk.rs-online.com/web/p/jumpers-shunts/2518682/> |
| **5 way 1 row socket** | 0.478 | 20 | ~10 | <https://uk.rs-online.com/web/p/pcb-sockets/2518200/> |
| **6 way 1 row socket** | 1.56 | 20 | 31 | <https://uk.rs-online.com/web/p/pcb-sockets/7655672/> |
| **TOTAL** |  |  | 123.334 |  |