|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Part** | **Quantity** | **Total** |  |
| capacitor | 2.2uF (electrolytic) | 2 | 4 | C1, C4 |
| capacitor | 68nF | 2 | 4 | C2, C9 |
| capacitor | 100nF | 2 | 4 | C3, C7 |
|  |  |  |  |  |
| diode | 1N4148 | 2 | 4 | D1, D2 |
| op amplifier | LM358 + socket | 2 | 4 | XIC1, XIC2 |
|  |  |  |  |  |
| led | 1N4148 | 1 | 2 | LED1 |
|  |  |  |  |  |
| resistor | 22k | 1 | 2 | R1 |
| resistor | 10k | 2 | 4 | R2, R3 |
| resistor | 1Meg | 3 | 6 | R4, R6, R13 |
| resistor | 120 | 1 | 2 | R5 |
| resistor | 47k | 2 | 4 | R7, R10 |
| resistor | 4.7k | 1 | 2 | R11 |
| potentiometer | 10k (potentiometer) | 1 | 2 | R8 |
| resistor | 100k | 2 | 4 | R9, R12 |
| resistor | 2.7k | 1 | 2 | R14 |
|  | Female 3.5mm connector | 1 | 2 | KLBR4 |
|  | Male 3.5mm connector | 1 | 2 |  |
|  | Power supply 5V | 1 | 2 | 3 AA battery Holder |
|  |  |  |  |  |
|  |  |  |  |  |