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| --- | --- | --- | --- | --- | --- | --- |
| **Part Icon** | **Part Name** | **Company** | **Description** | **Unit Cost** | **Quantity** | **Cost** |
| IC1 | Atmega16 | Atmel | Microcontroller  16 bit, 16Mhz | 1200 | 1 | 1200 |
| IC2 | ULN2003AN | Texas Instruments | Matrix transistors | 150 | 1 | 150 |
| DIS1 | LCD DISPLAY  16\*2 | Densitron | Display device | 1000 | 1 | 1000 |
| OK1 | Optical Encoder  (os70t2) | China | Rotary Disk  +Sender and Future | 300 | 1 | 300 |
|  | 28BYJ-48 | Kiatronics | Step Motor 5VDC | 1200 | 1 | 1200 |
| R1,R2 | Variable Resistor VR |  | 5 KOhm | 75 | 2 | 150 |
| R3,R4,R5  R6,R7 | Resistance |  | 330 Ohm | 5 | 5 | 25 |
| R8,R9 | Resistance |  | 10 KOhm | 5 | 2 | 10 |
| C1 | Chemical Capacitor |  | 10 microF | 10 | 1 | 10 |
| CY1 | Capacitor |  | 100 nF | 10 | 1 | 10 |
| D1,D2,D3,  D4 | led |  | led | 10 | 4 | 40 |
| S1,S2,S3 | Button |  | Button Instantaneous | 10 | 3 | 30 |
|  | Battery | China | 9v | 300 | 1 | 300 |
| IC3 | LM7805 | STMicroelectronics | Positive voltage regulator | 75 | 1 | 75 |
|  |  |  |  | Total parts | 26 | 4500 |