***Lab materials:***

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| --- | --- |
| ***Components*** | ***Quantity*** |
| Motorola 68000 | 1 |
| Motorola 6821 | 1 |
| 2732 EPROM | 2 |
| 555 Timer | 1 |
| 1N904 Diode | 1 |
| 4 MHz Crystal Oscillator 4 Pin | 1 |
| 74LS04 | 2 |
| 74LS32 | 1 |
| Push button Switch (2 pins) | 1 |
| Wire-wrap board | 1 |
| Wire-wrap tool for 30 gauge | 1 |
| 30g wires | 1 |
| C = 0.18uF | 1 |
| C = 6.9uF | 1 |
| C = 0.01 uF | 1 |
| R = 100k | 1 |
| R = 1M | 1 |
| IC Socket 40-pin | 1 |
| IC Socket 30-pin | 6 |
| IC Socket 24-pin | 2 |
| IC Socket 18-pin | 6 |
| IC Socket 8-pin | 1 |