**ATmega16a circuitry**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Components** | **Value** | **No. of components** | **Device** | **Library** | **Sub-library** | **Packaging** |
| 1 | Atmega16a | ------------ | 1 | Through hole | atmel | Mega32 Controller | DIL 40 |
| 2 | Crystal Oscillator | 8MHz | 1 | Through hole | crystal | crystal | HC49/S |
| 3 | Ceramic capacitor | 22pF, 10nF | 3 | Through hole | rcl | C-US | C025-025X050 |
| 4 | Reset Switch | ------------ | 1 | Through hole | switch-omron | B3F | 10-XX |
| 5 | Resistor | 10K | 1 | Through hole | resistor | R-US | 0204/7 |

**Jumper/Connector:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Jumper** | **No. of pins** | **No. of Jumper** | **Library** | **Sub-library** | **Packaging** |
| 1 | Jumper 1, 2,3,4 | 8 | 4 | con-lstb | MA08-1 | 08P |
| 2 | Jumper5 | 6 | 1 | con-lstb | MA06-1 | 06P |