**Power supply circuitry**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Components** | **Value** | **No. of components** | **Device** | **Library** | **Sub-library** | **Packaging** |
| 1 | DC jack | ------------ | 1 | Through hole | con-jack | DCJ0202 | DCJ0202 |
| 2 | Diode | 4004 | 1 | Through hole | diode | 1N4004 | DO41-10 |
| 3 | Ceramic capacitor | 104 | 2 | Through hole | rcl | C-US | C025-025X050 |
| 4 | Electrolyte capacitor | 1000uF, 470uF | 2 | Through hole | resistor | CPOL-USE3.5-10 (CPOL-US) | E3,5-10 |
| 5 | Voltage regulator | 7805 | 1 | Through hole | v-reg | 78MXXS | 78MXXS |
| 6 | Resistor | 470E | 1 | Through hole | resistor | R-US\_0204/7 (R-US\_) | 0204/7 |
| 7 | Led | 3mm | 1 | Through hole | led | SFH482 | SFH482 |

**Jumper/Connector:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Jumper** | **No. of pins** | **No. of Jumper** | **Library** | **Sub-library** | **Packaging** |
| 1 | Jumper 1, 2 | 5 | 2 | con-amp-quick | M05 | 05P |