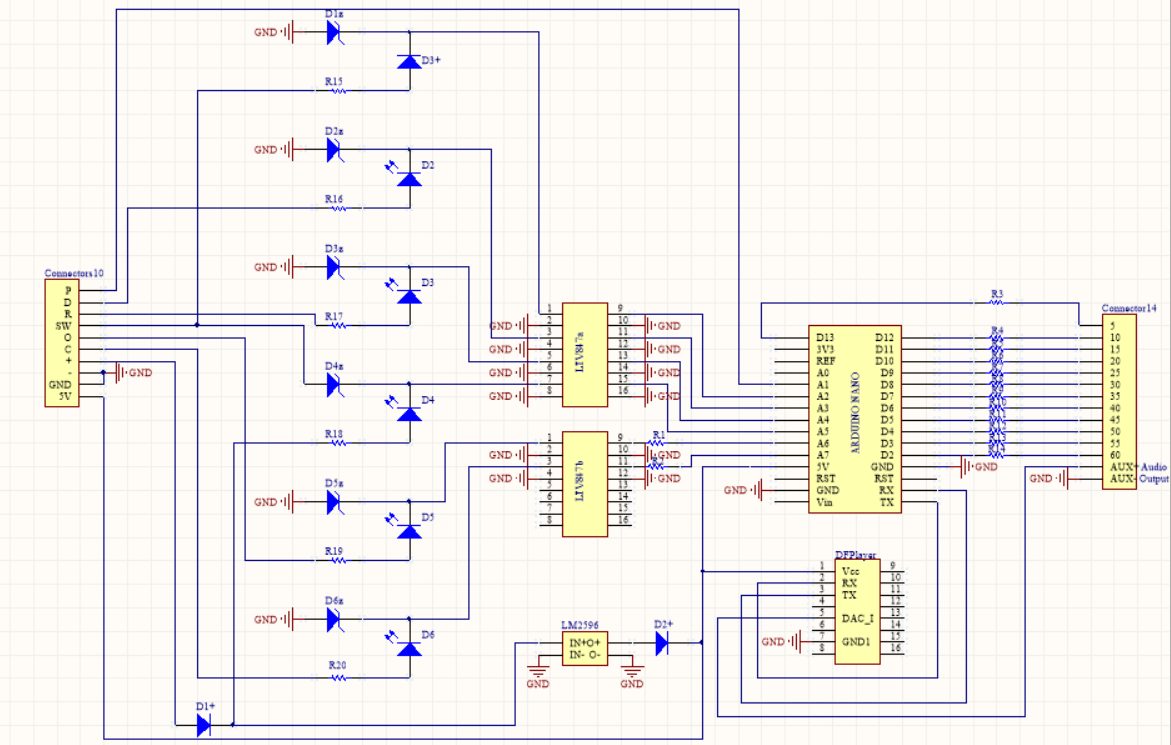
**DOKUMENTACIJA ZA PROJEKTOVANI**

**PCB**

**POTREBNE KOMPONENTE**

|  |  |
| --- | --- |
| **NAZIV** | **KOLIČINA** |
| Arduino Nano | 1 |
| DFPlayer | 1 |
| LM2596 | 1 |
| LTV847 | 2 |
| IR Line tracking sensor | 1 |
| Dioda 4007 | 3 |
| Zener Diode | 6 |
| LED diode | 5 |
| Otpornici 1K | 17 |
| Otpornici 10K | 2 |
| Otpornik 33K | 1 |
| Blok Terminali | 24 |
| Audio pojacalo 5w/5v | 1 |

ŠEMA PROJEKTA



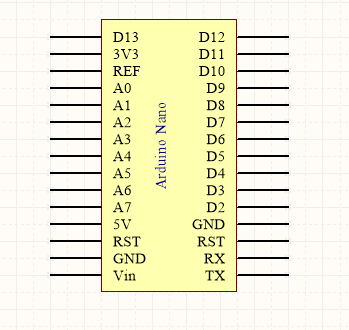
Šema PCB-a

Legenda terminala:

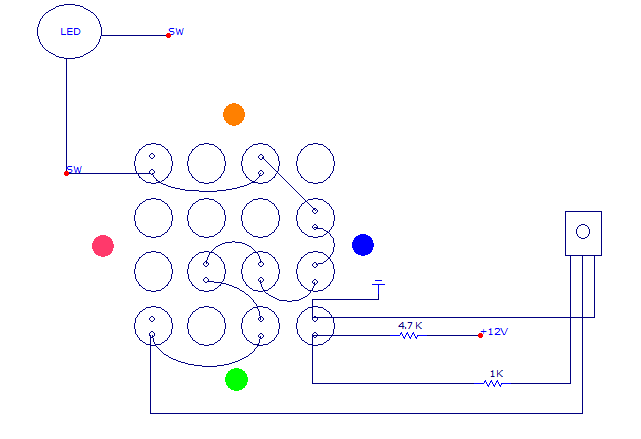
|  |  |
| --- | --- |
| P | IR Line tracking sensor |
| D | Spoljašnja fioka |
| R | 2 rotaciona prekidača, stepenasti prekidač I utičnica |
| SW | 16 prekidača/LED panel |
| O | Unutrašnja fioka otvorena |
| C | Unutrašnja fioka zatvorena |
| + | Vcc |
| -/GND | GND |
| 5V | 5V za IR sensor |
| 5-60 | LED diode za tajmer |
| AUX+ i AUX- | Zvučnik |

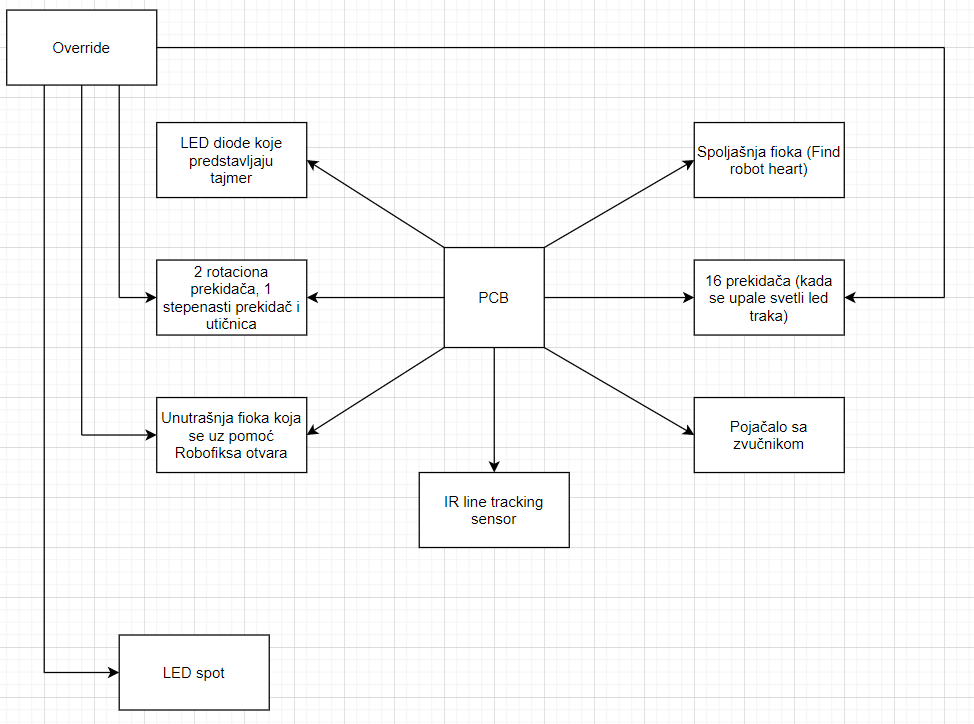
Legenda:

|  |  |
| --- | --- |
| Otpornici 1K | R3-R14, R16-R20 |
| Otpornici 10K | R1, R2 |
| Otpornik 33K | R15 |
| Diode 4007 | D1+, D2+, D3+ |



Arduino Nano pinout

Šema prekidača



Blok šema