|  |  |  |  |
| --- | --- | --- | --- |
| Wire Color | Component / Pin | Microcontroller pin | Pin Header Connector |
| Blue | LED Room 1 / GND | GND | J9 / 4. |
| Red | LED Room 1 / Red | D9 | J9 / 1. |
| Blue | LED Room 2 / GND | GND | J10 / 4. |
| Red | LED Room 2 / Red | D2 | J10 / 1. |
| Blue | LED Room 3 / GND | GND | J11 / 4. |
| Red | LED Room 3 / Red | D3 | J11 / 1. |
| Green | LED Room 3 / Green | D5 | J11 / 2. |
| Orange | LED Room 3 / Blue | D6 | J11 / 3. |
| Yellow | Button Room 2 / 1. | A2 | J5 / 2. |
| Yellow | Button Room 2 / 1. GND | GND | J13 / 3. |
| Black | Button Room 2 / 2. GND | GND | J13 / 4. |
| Brown | Button Room 3 | D4 | J3 / 1. + 2. |
| Gray | LDR | A3 | J8 / 1. + 2. |
| Yellow | Pot Room 1 / 2. | A6 | J4 / 1. |
| Orange | Button Room 1 / 1. | A1 | J6 / 2. |
| Orange | Button Room 1 / GND | GND | J4 / 2. |
| Yellow | Pot Room 3 / 2. | A7 | J7 / 2. |
| Blue | Pot Room 3 / GND | GND | J7 / 3. |
| Blue | LED Door / GND | GND | J12 / 4. |
| Red | LED Door / Red | D10 | J12 / 1. |
| Blue | PIR / GND | GND | J1 / 3. |
| Green | PIR / 5V | 5V | J1 / 1. |

Wiring table for J2#

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Function | Wire Color | Connector on Control Panel PCB | Connector on Main PCB | Microcontroller Pin |
| Control panel pot | White | 1 | 10 | Not implemented |
| Button Down | Gray | 7 | 9 | D8 |
| Button ok | Green | 6 | 8 | D11 |
| Button up | Purple | 5 | 7 | D7 |
| Button back | Black | 3 | 6 | D12 |
| GND | Blue | 8 | 5 | GND |
| 5V | Red | 2 | 4 | 5V |
| LCD SDA | Brown | 10 | 3 | A4 |
| LCD SCL | Orange | 9 | 2 | A5 |
| Button sleep |  | 4 | 1 | D0/RX (Not connected or used) |