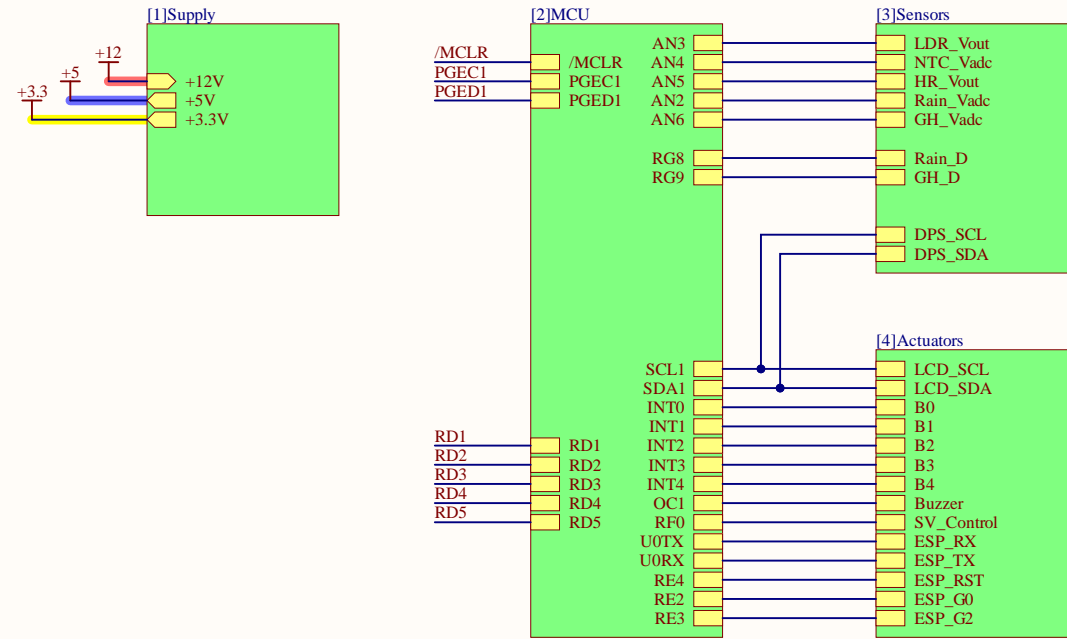
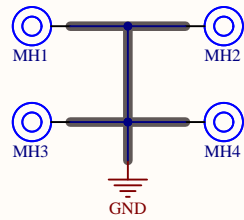


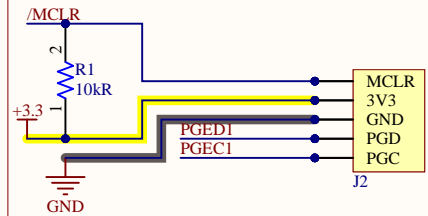
Smart Garden PCB



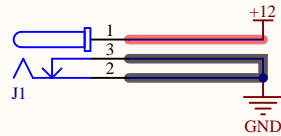
Mounting Holes



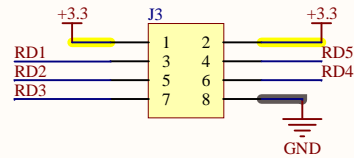
PICKIT4 connector



Supply Connector

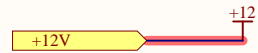


Expansion Connector

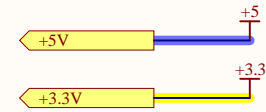


Supply

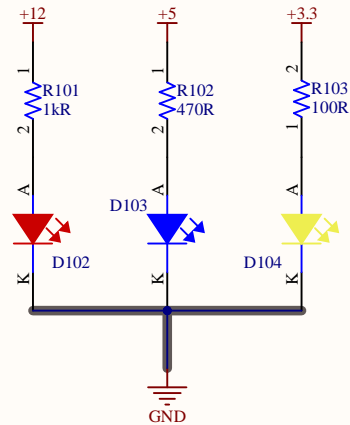
Inputs



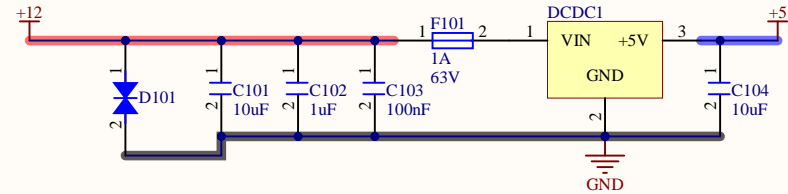
Outputs



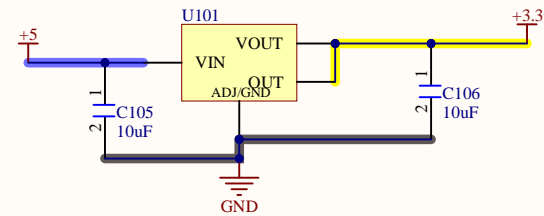
Power LEDs



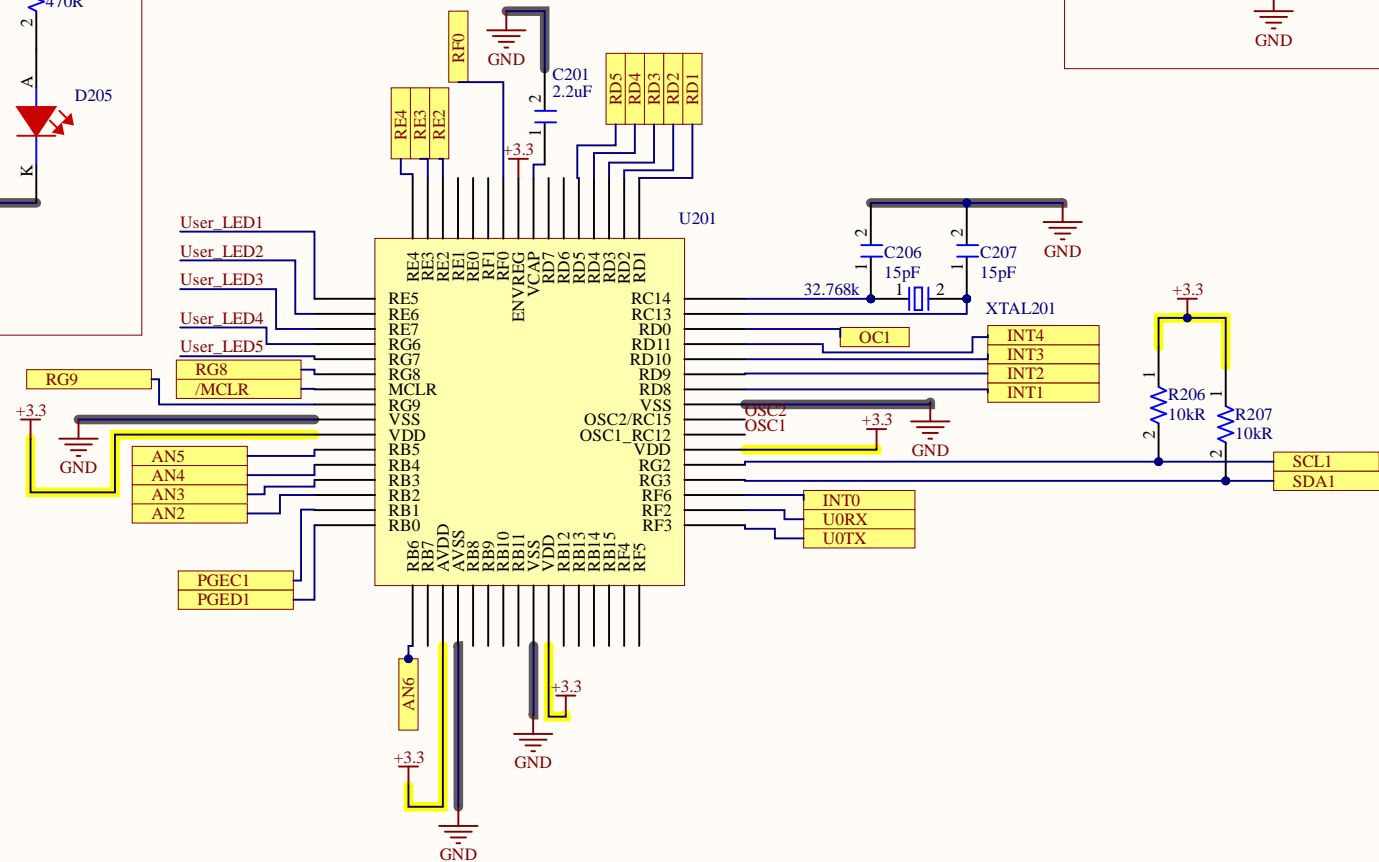
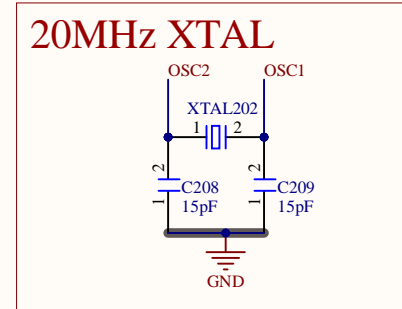
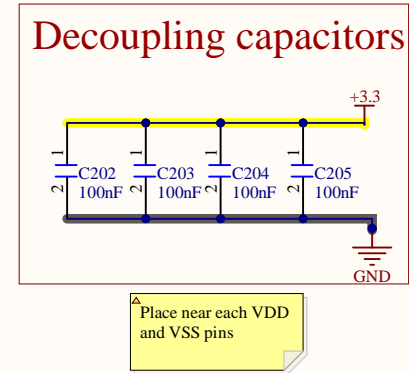
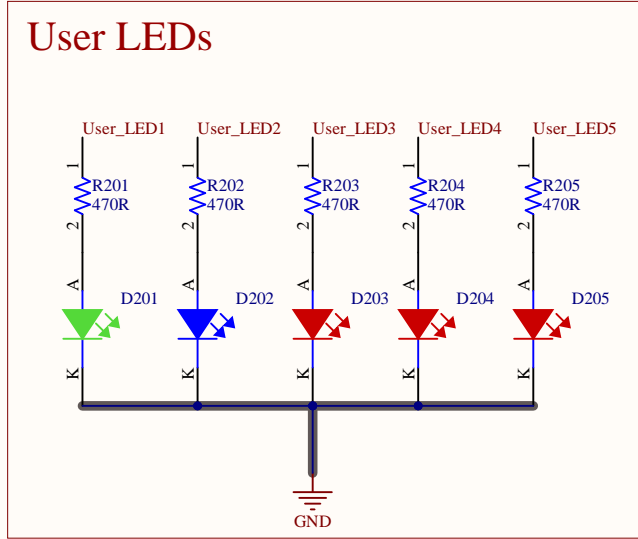
5V supply



3.3V supply



D

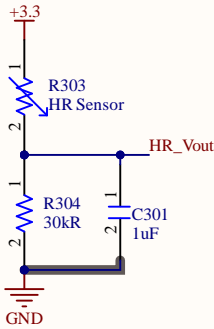


Sensors

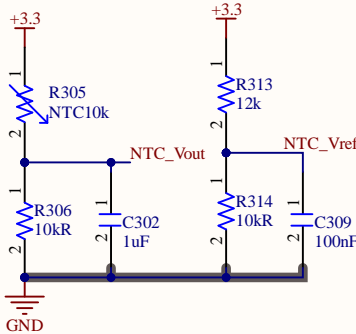
Inputs & Outputs

| | |
|-----------|-----------|
| DPS_SDA | DPS_SDA |
| DPS_SCL | DPS_SCL |
| LDR_Vout | LDR_Vout |
| NTC_Vadc | NTC_Vadc |
| HR_Vout | HR_Vout |
| Rain_Vadc | Rain_Vout |
| GH_Vadc | GH_Vout |
| Rain_D | Rain_D |
| GH_D | GH_D |

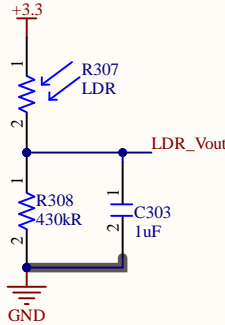
HR sensor



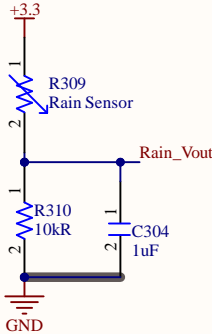
NTC sensor



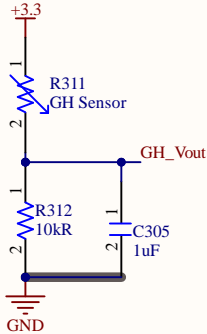
LDR sensor



Rain sensor

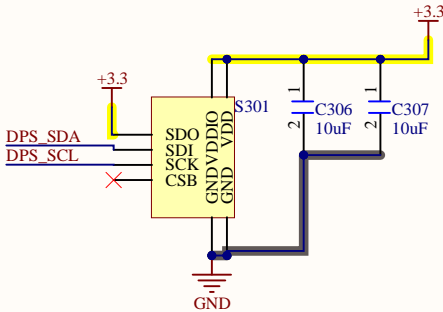


GH sensor

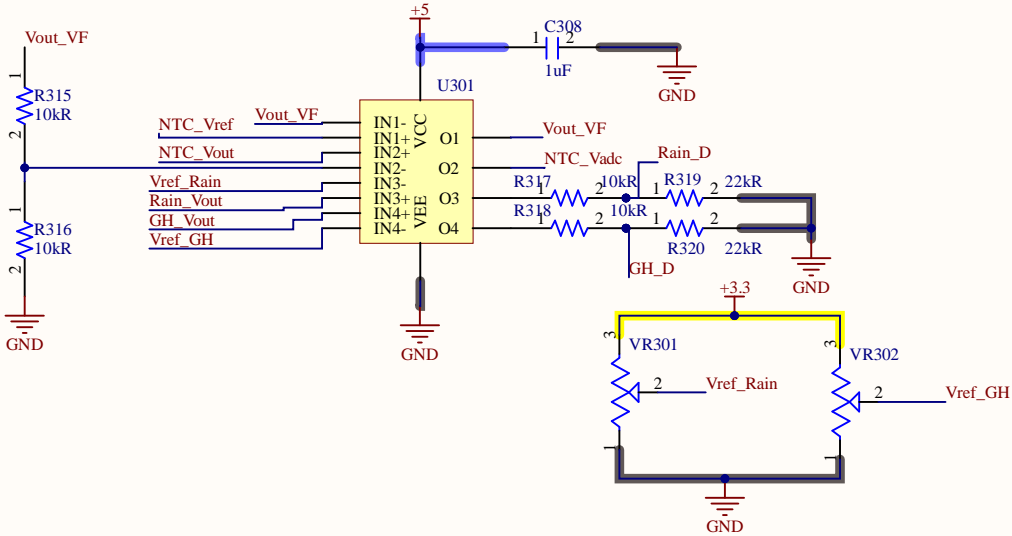


Atm Pressure (DPS310)

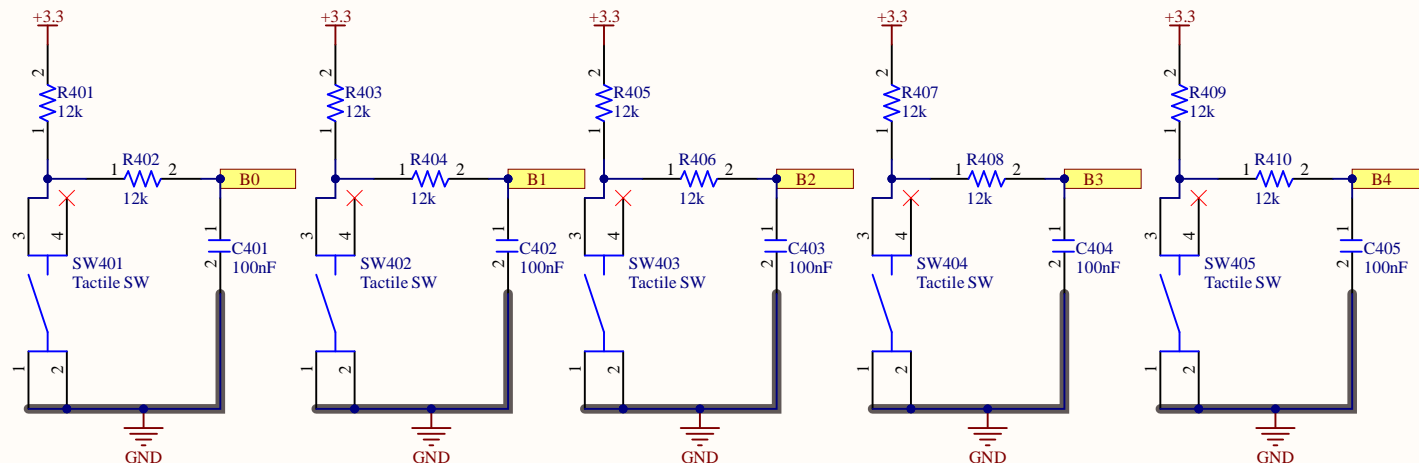
Device address is 0x77 if SDO is pulled up and 0x76 if SDO is pulled down to GND



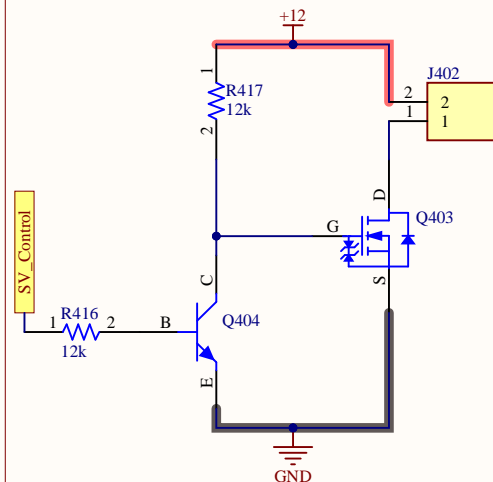
OpAmp Conditioning



User buttons

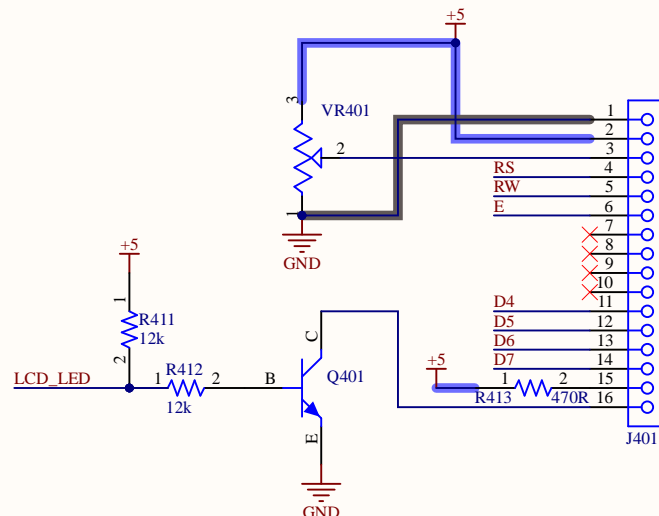
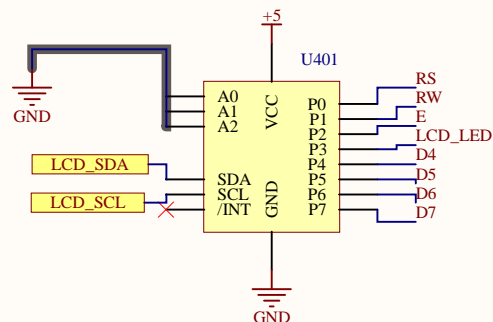


SV control

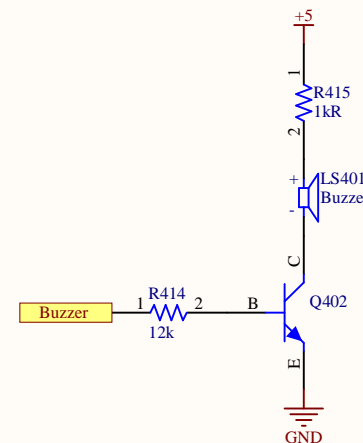


LCD 16x2

If A2, A1 and A0 are connected to GND read address is 0x71 and write address is 0x70



Buzzer



ESP01 WiFi Module

