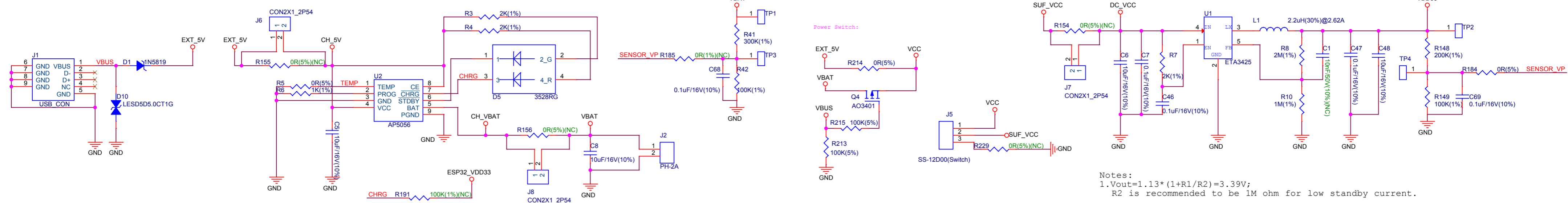


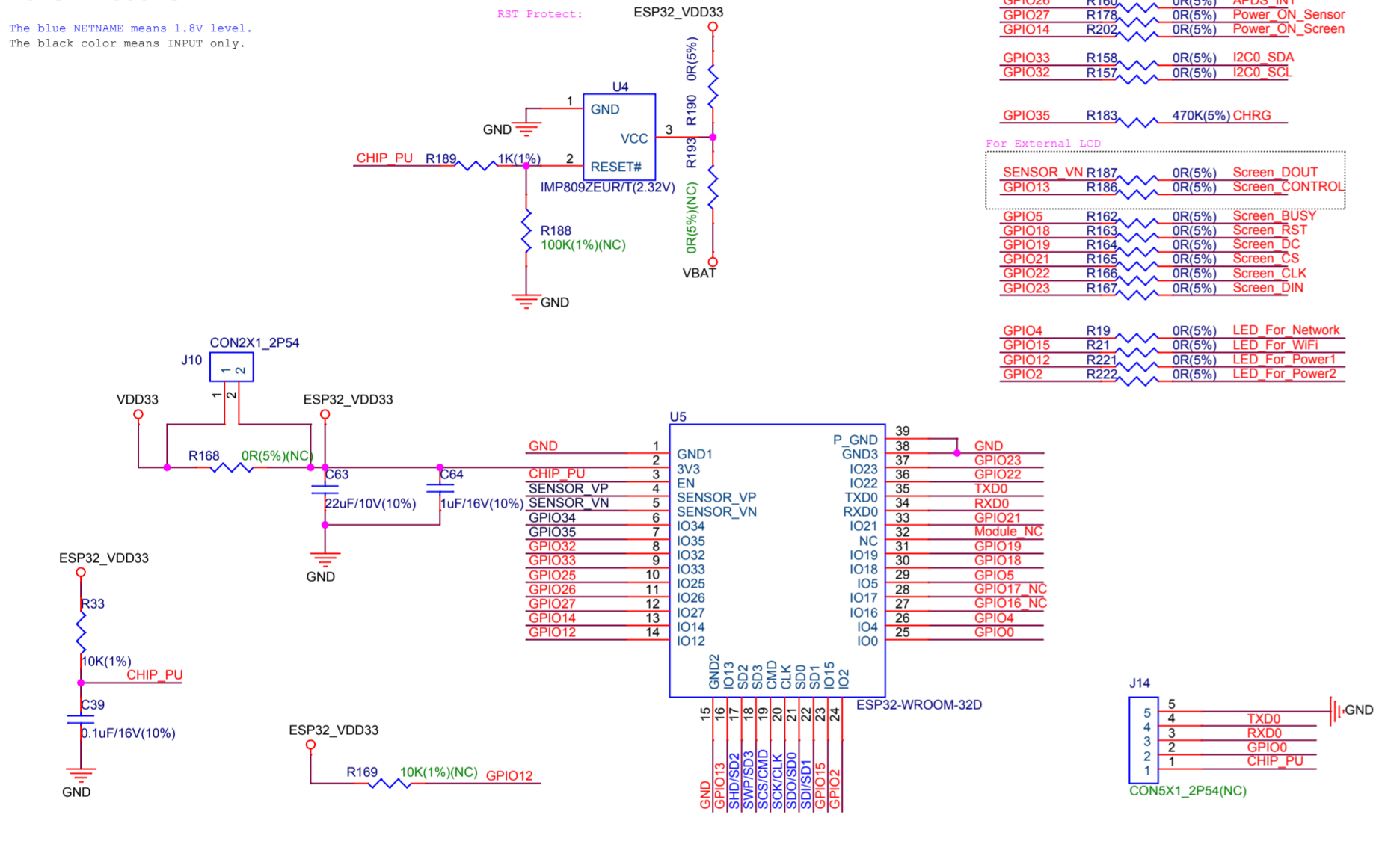
**Power :**



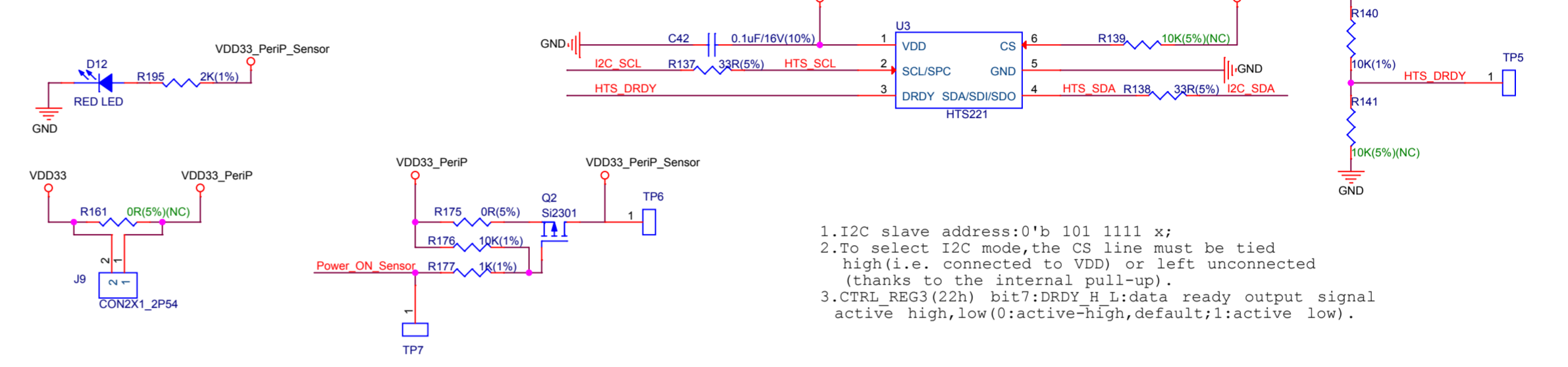
Notes:  
 1.  $V_{out} = 1.13 * (1 + R1/R2) = 3.39V$ ;  
 2. R2 is recommended to be 1M ohm for low standby current.

**ESP32 Module:**

The blue NETNAME means 1.8V level.  
 The black color means INPUT only.

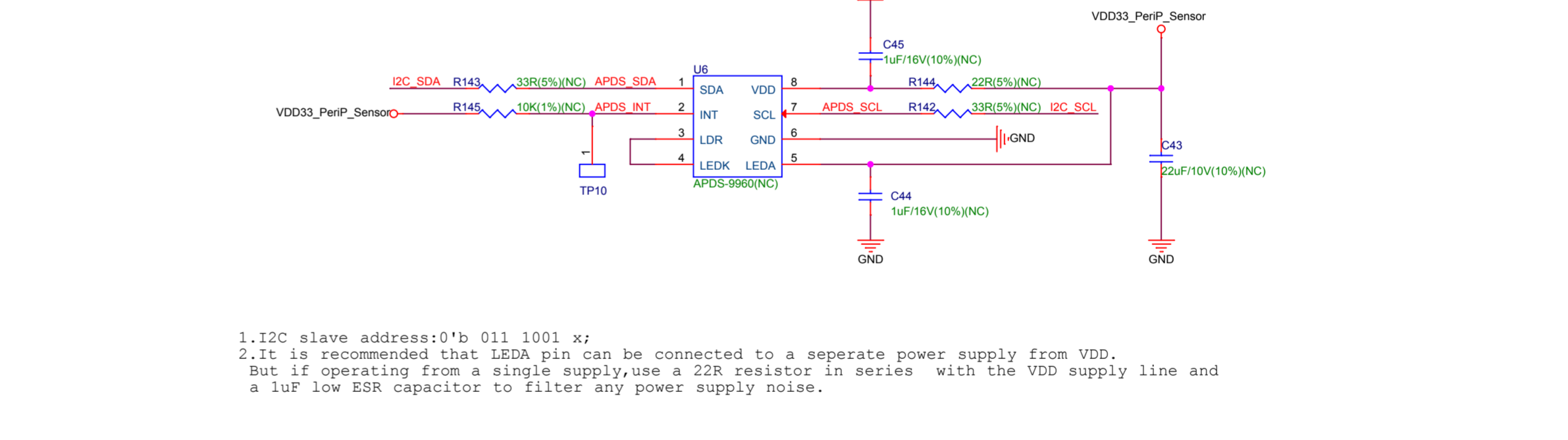


**Temperature&Humidity Sensor:**



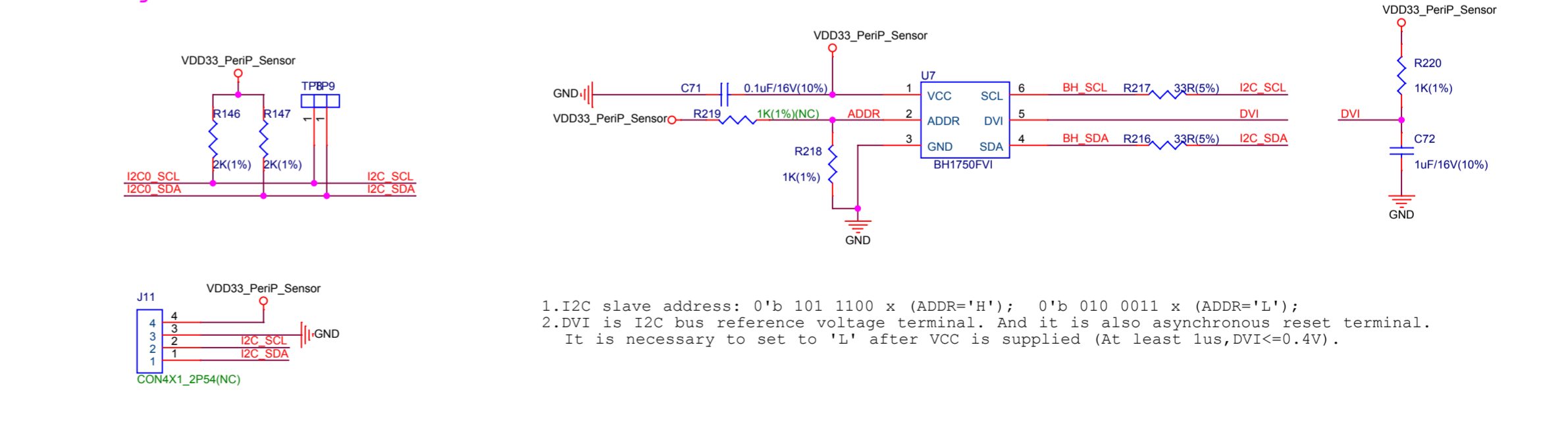
1. I2C slave address: 0'b 101 1111 x;  
 2. To select I2C mode, the CS line must be tied high (i.e. connected to VDD) or left unconnected (thanks to the internal pull-up).  
 3. CTRL\_REG3 (22h) bit7: DRDY\_H\_L: data ready output signal active high, low (0: active-high, default; 1: active low).

**Proximity/Ambient Light Sensor:**



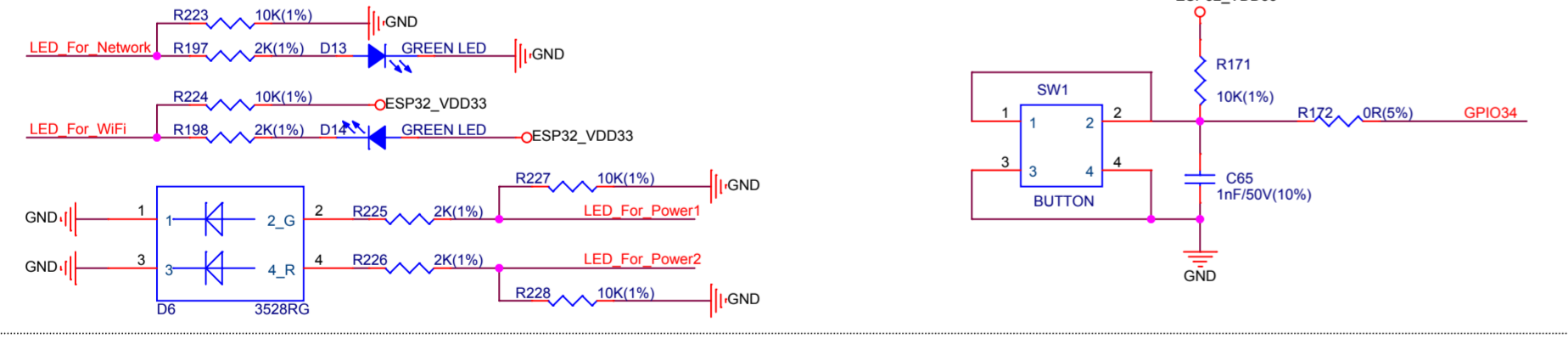
1. I2C slave address: 0'b 011 1001 x;  
 2. It is recommended that LEDA pin can be connected to a separate power supply from VDD. But if operating from a single supply, use a 22R resistor in series with the VDD supply line and a 1uF low ESR capacitor to filter any power supply noise.

**Ambient Light Sensor:**

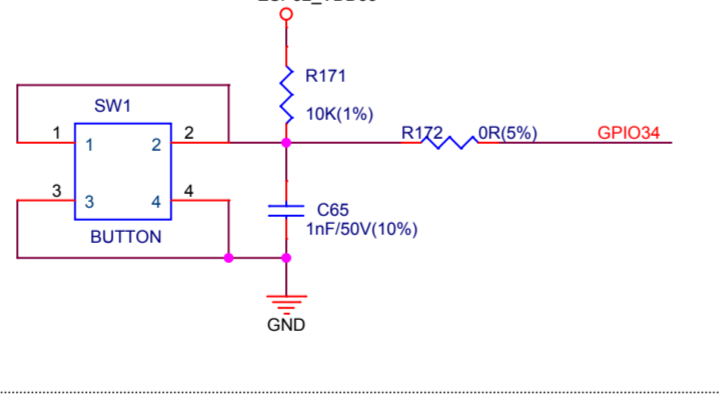


1. I2C slave address: 0'b 101 1100 x (ADDR='H'); 0'b 010 0011 x (ADDR='L');  
 2. DVI is I2C bus reference voltage terminal. And it is also asynchronous reset terminal. It is necessary to set to 'L' after VCC is supplied (At least 1us, DVI < 0.4V).

**Module Work LED:**



**Switch(Wake up):**



**Connector:**

