

Title: Block Diagram

Designer: Akshat Doctor

Date: 2024-11-13

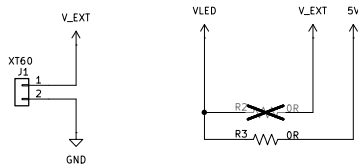
Rev: 1.2.0

Company: Demeter

Pg: 1/9

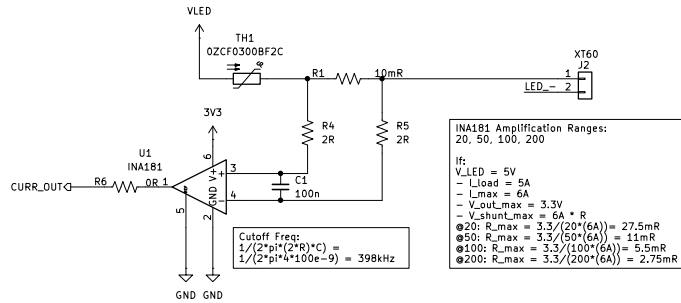


External Voltage

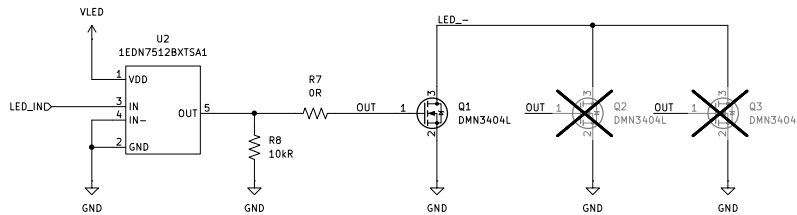


External Voltage Input for different LED strips
Use OR JUMPER to choose rail

Current Sense



Low Side Driver



Title: LED Driver

Designer: Akshat Doctor

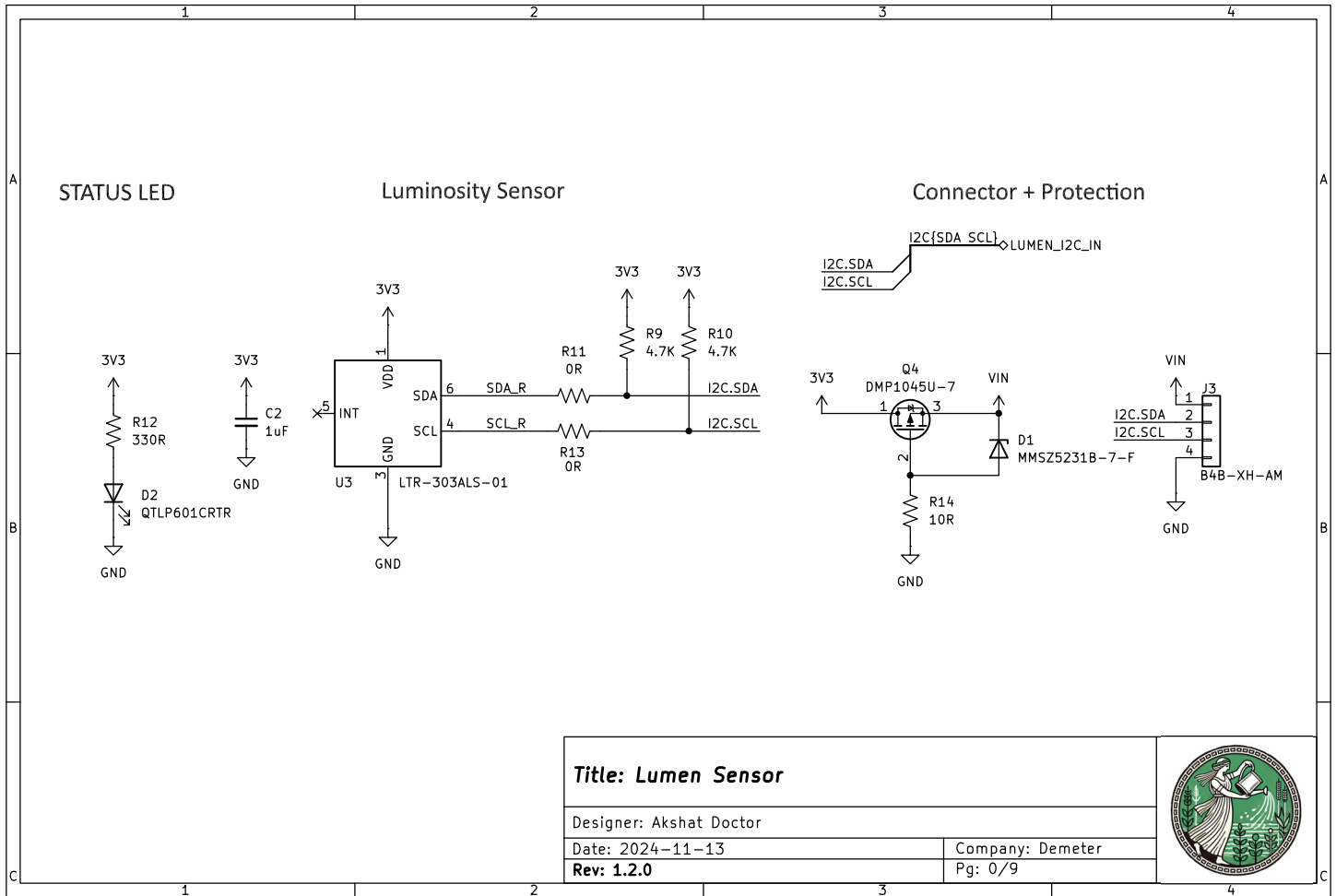
Date: 2024-11-13

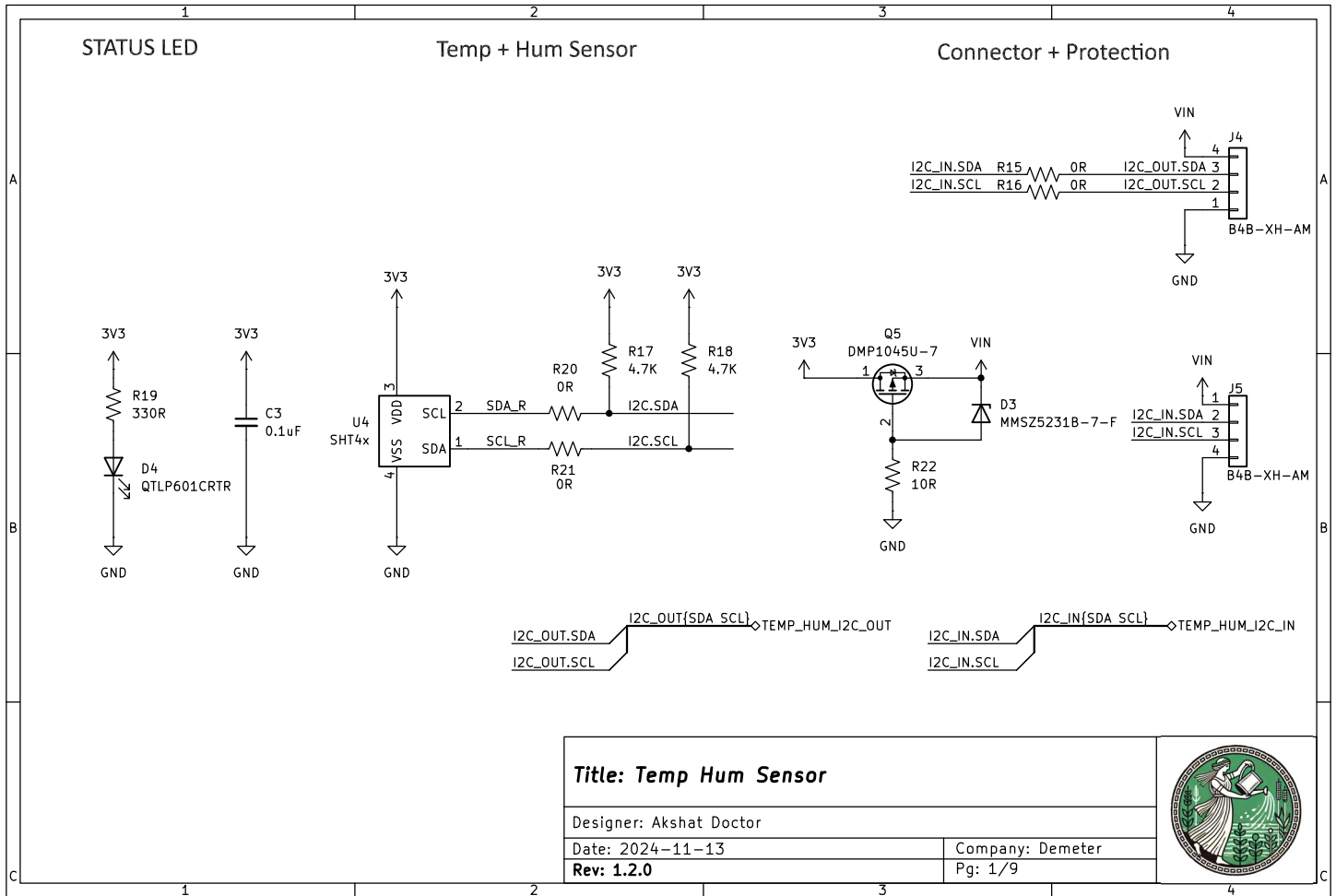
Rev: 1.2.0

Company: Demeter

Pg: 0/9







Title: Temp Hum Sensor

Designer: Akshat Doctor

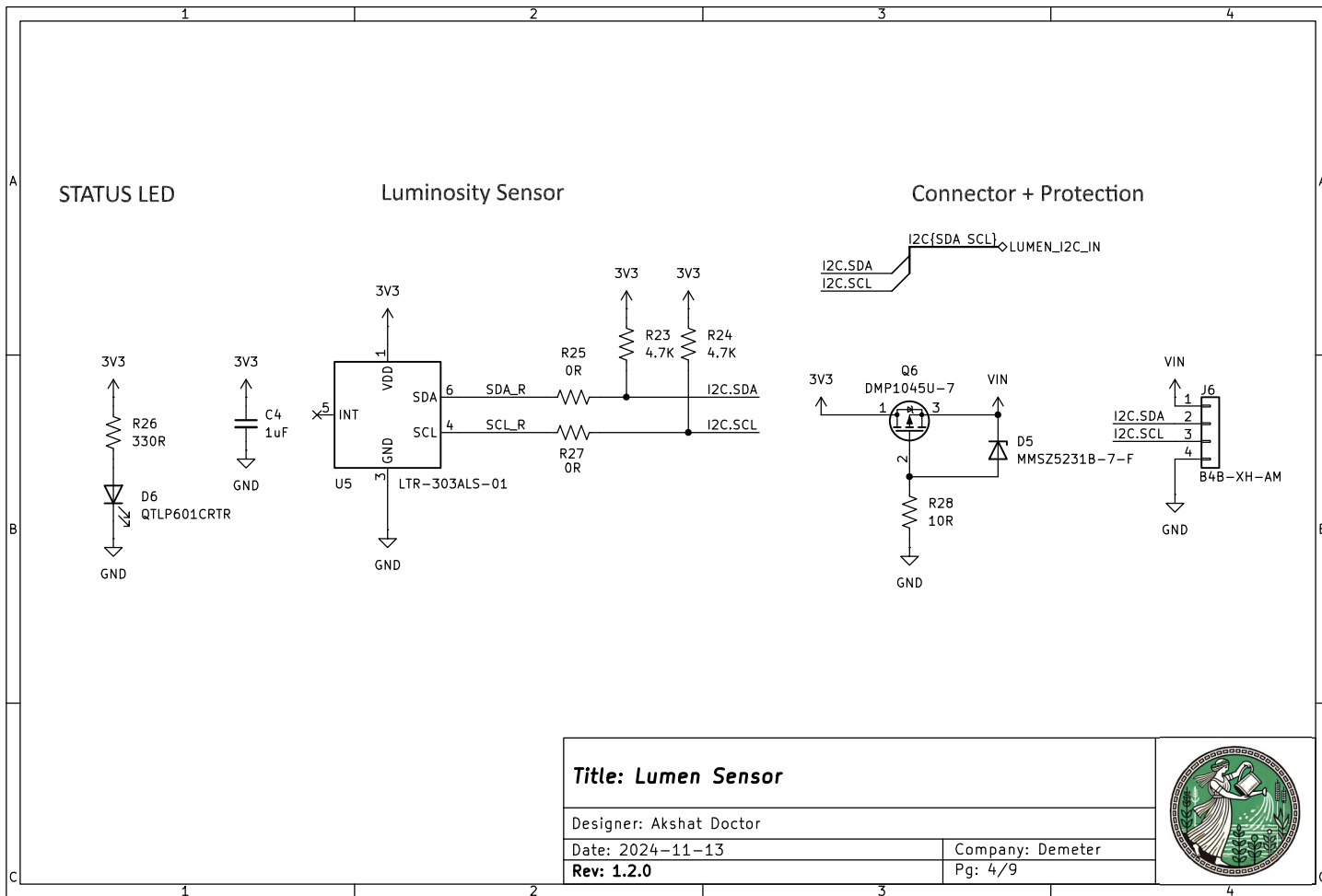
Date: 2024-11-13

Rev: 1.2.0

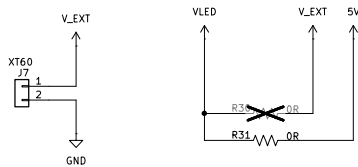
Company: Demeter

Pg: 1/9



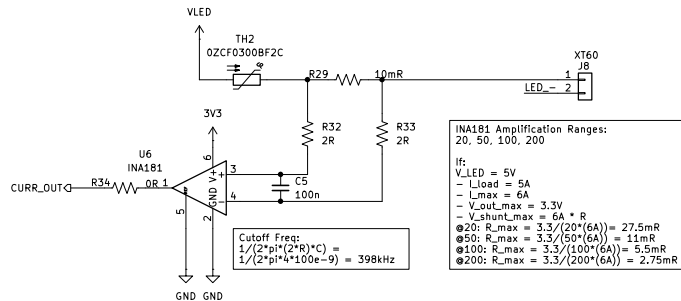


External Voltage

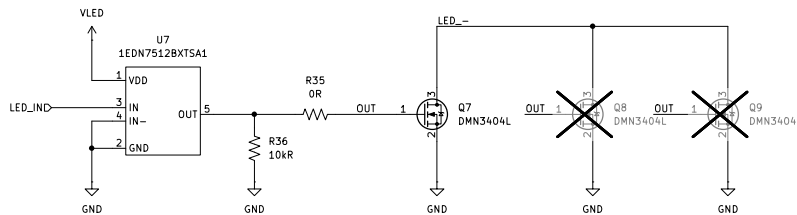


External Voltage Input for different LED strips
Use 0R JUMPER to choose rail

Current Sense



Low Side Driver



Title: LED Driver

Designer: Akshat Doctor

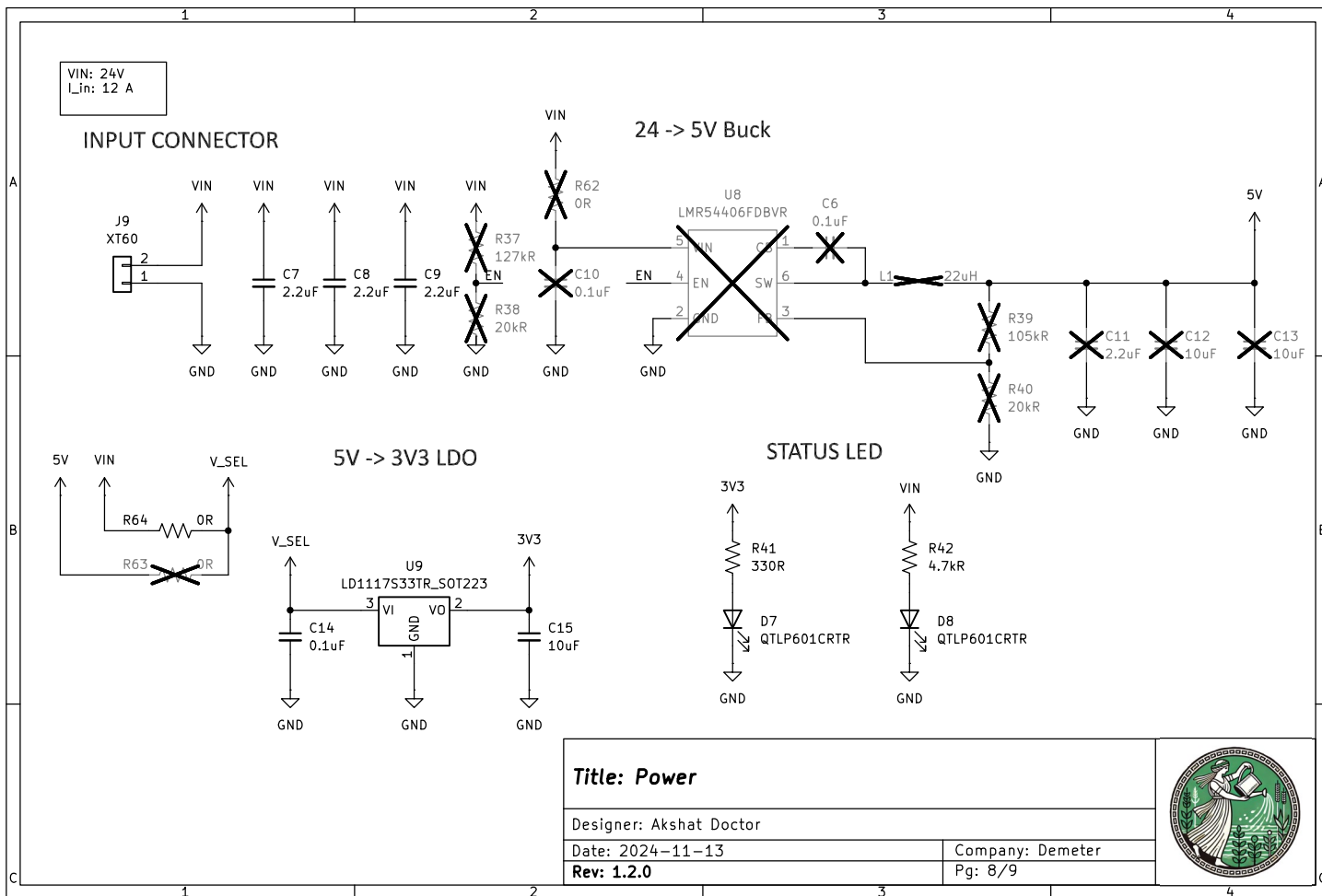
Date: 2024-11-13

Rev: 1.2.0

Company: Demeter

Pg: 3/9





Title: Power

Designer: Akshat Doctor

Date: 2024-11-13

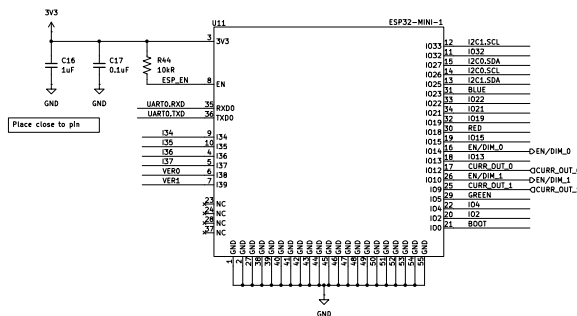
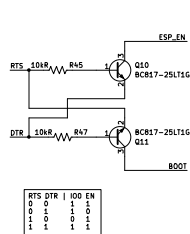
Rev: 1.2.0

Company: Demeter

Pg: 8/9

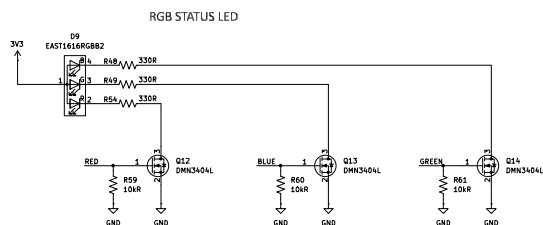


Microcontroller Module



J10
Conn_01x12

1	I34
2	I35
3	I36
4	I37
5	I032
6	I022
7	I021
8	I019
9	I015
10	I013
11	I04
12	I02



Toggle Color via uC pin for different status modes

Versioning Resistors for HW to detect SW Version, DNP appropriately

Place C4 close to switch

