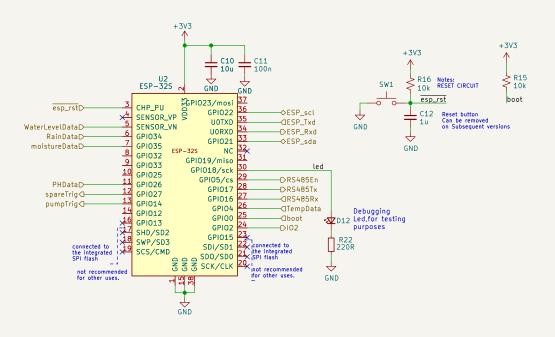


Controller Logic Section Enhanced Over WiFi & Bluetooth SoC (ESP-32S)



DESIGN NOTES / USE GUIDE

DERIVED FROM VERIFIED SCHEMATIC SRC: Datasheet reference/SparkFun & Adafruit Modules

DESCRIPTION: ESP32 Basic Interface Circuit

RECOMMENDED FOR: All devices that Need a Power MCU with WiFi Capabilities

HIRACHICAL SHEET STATUS: "ADD THE NEW STATUS OF THE THE DESIGN I.E verified, in testing etc"

STATUS_1:VERIFIED

STATUS_2:YES OK!

MKULIMA IOT DEVICE

Project Lead: Peter Kirumba

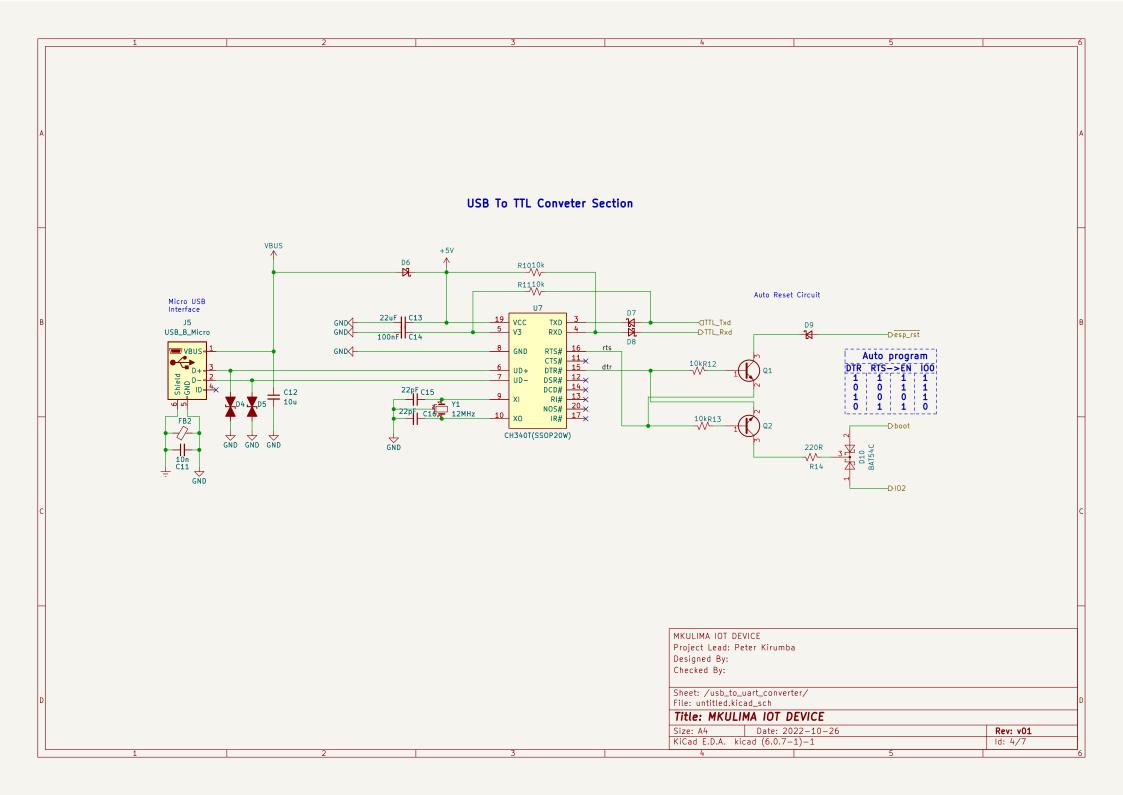
Designed By:

Checked By:

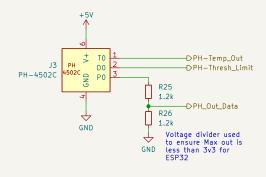
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Title: MKULIMA IOT DEVICE

	THE THOUSENESS OF SETTING		
	Size: A4	Date: 2022-10-26	Rev: v01
1	KiCad E.D.A. ki	cad (6.0.7-1)-1	ld: 3/7

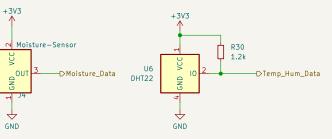


PH Meter (PH-4502C)

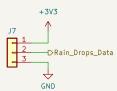


Soil Moisture Sensor

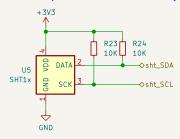
Ambient Temperature and Humidity Sensor



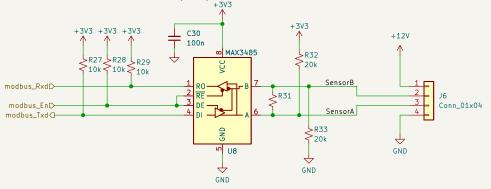
Rainfall Sensor



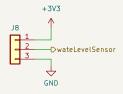
Soil Temperature and Humidity Sensor



Soil Nutrients Sensor(NPK) or Other Modbus Based sensor $_{\scriptscriptstyle{+3}\text{V}3}$



Water Level Sensor



MKULIMA IOT DEVICE

Project Lead: Peter Kirumba

Designed By: Checked By:

Sheet: /sensors/ File: sensors.kicad_sch

Title: MKULIMA IOT DEVICE

Size: A4 Date: 2022-10-26 Rev: v01 KiCad E.D.A. kicad (6.0.7-1)-1Id: 5/7

