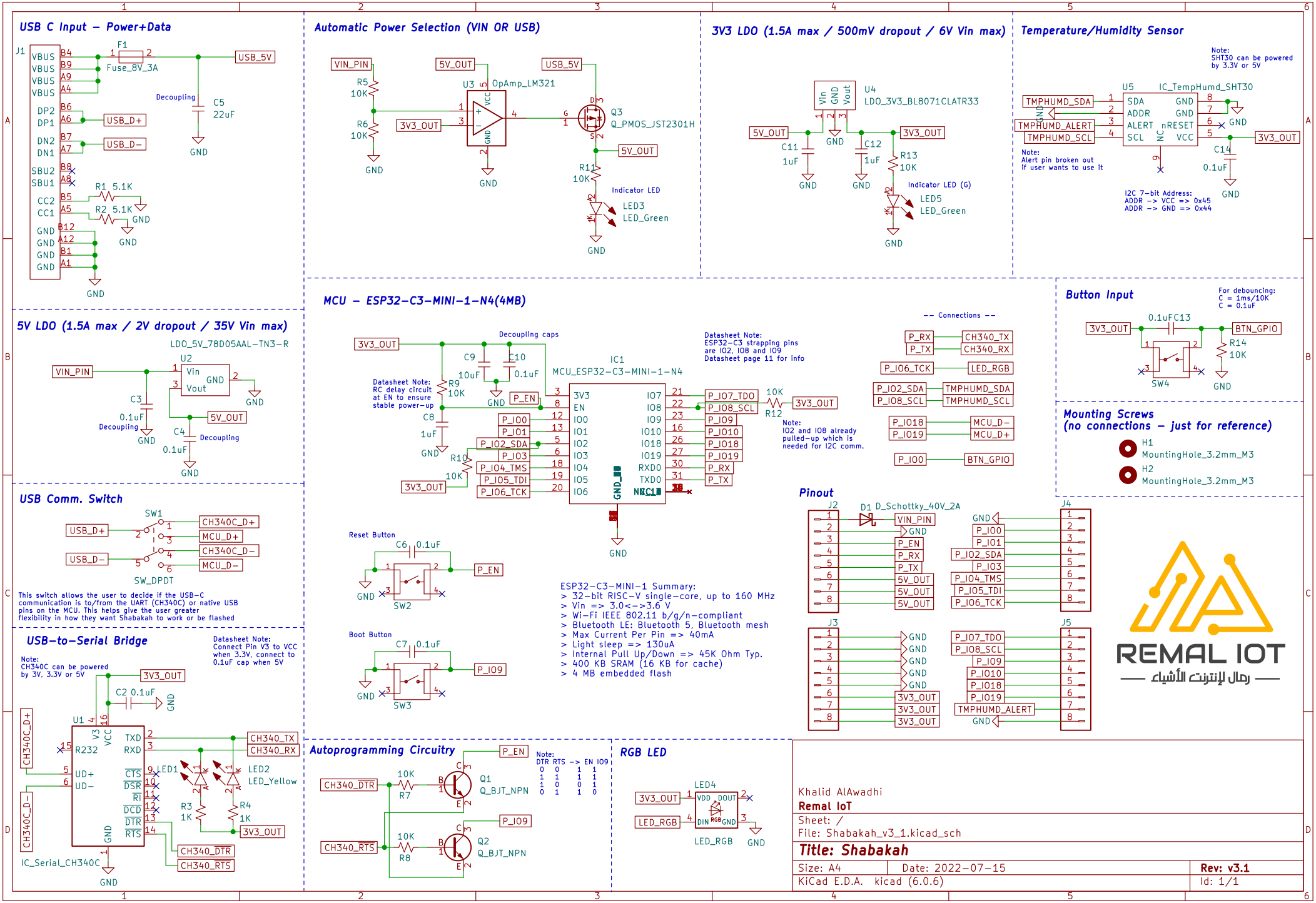
USB C Input – Power+Data
Automatic Power Selection (VIN OR USB)
3V3 LDO (1.5A max / 500mV dropout / 6V Vin max)
Temperature/Humidity Sensor
5V LDO (1.5A max / 2V dropout / 35V Vin max)
MCU – ESP32-C3-MINI-1-N4(4MB)
Button Input
Mounting Screws
(no connections – just for reference)
USB Comm. Switch
USB-to-Serial Bridge
Autoprogramming Circuitry
RGB LED
Pinout
ESP32-C3-MINI-1 Summary:
> 32-bit RISC-V single-core, up to 160 MHz
> Vin => 3.0<->3.6 V
> Wi-Fi IEEE 802.11 b/g/n-compliant
> Bluetooth LE: Bluetooth 5, Bluetooth mesh
> Max Current Per Pin => 40mA
> Light sleep => 130uA
> Internal Pull Up/Down => 45K Ohm Typ.
> 400 KB SRAM (16 KB for cache)
> 4 MB embedded flash
REMAL IOT
رمال لإنترنت الأشياء
Khalid AlAwadhi
Remal IoT
Sheet: /
File: Shabakah_v3_1.kicad_sch
Title: Shabakah
Size: A4
Date: 2022-07-15
Rev: v3.1
KiCad E.D.A. kicad (6.0.6)
Id: 1/1