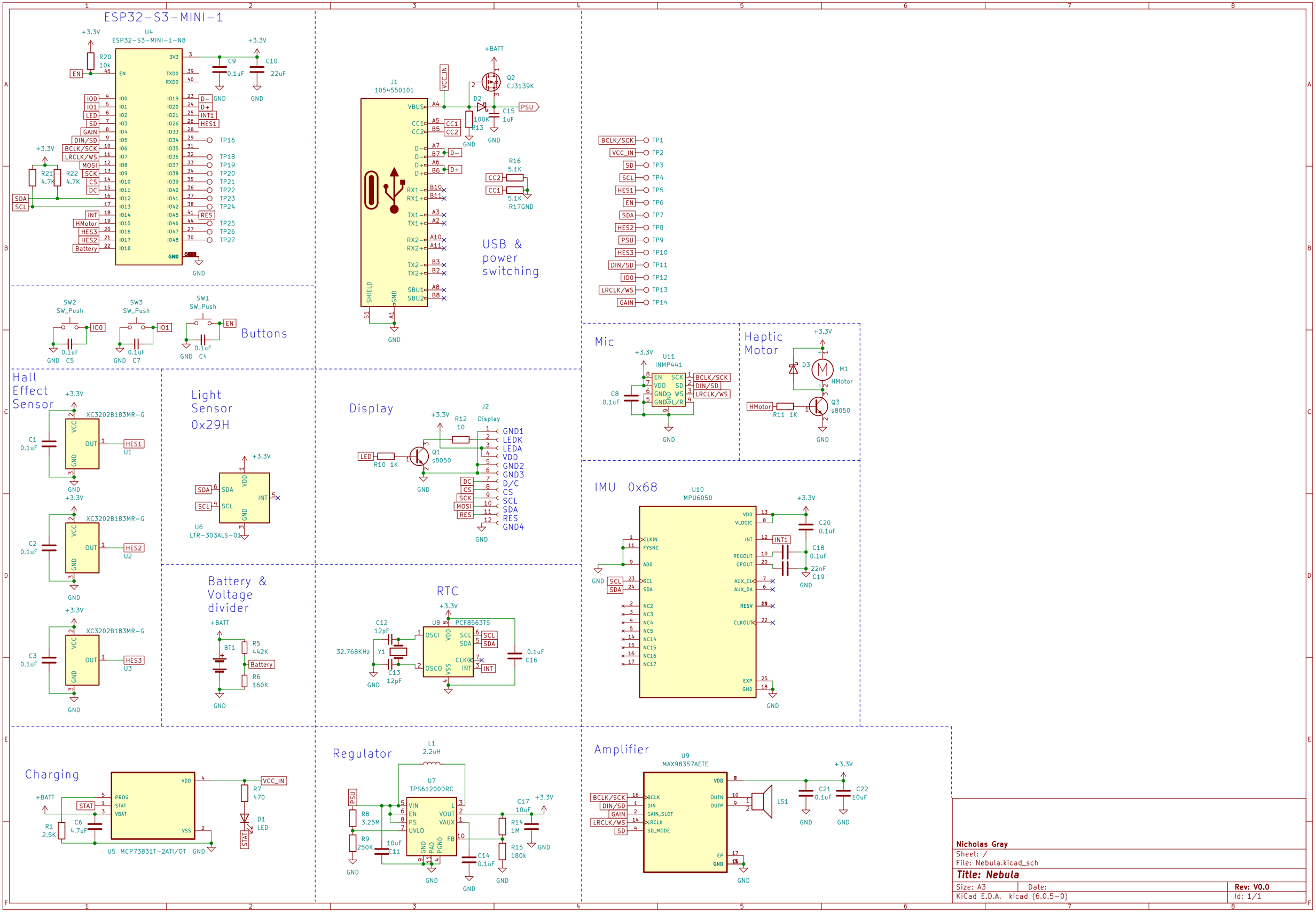
ESP32-S3-MINI-1
U4
ESP32-S3-MINI-1-N8
R20 10k
R21 4.7K
R22 4.7K
C9 0.1uF
C10 22uF
USB & power switching
J1
1054550101
Q2 CJ3139K
D2
C15 1uF
R13 100K
R16 5.1K
R17 5.1K
Buttons
SW2 SW_Push
SW3 SW_Push
SW1 SW_Push
Hall Effect Sensor
XC3202B183MR-G
U1
U2
U3
Light Sensor 0x29H
U6
LTR-303ALS-01
Display
J2
Display
Q1 s8050
R12 10
R10 1K
Battery & Voltage divider
BT1
R5 442K
R6 160K
RTC
U8 PCF8563TS
Y1 32.768KHz
C12 12pF
C13 12pF
C16 0.1uF
Mic
U11
INMP441
C8 0.1uF
Haptic Motor
M1 HMotor
D3
Q3 s8050
R11 1K
IMU 0x68
U10
MPU6050
C20 0.1uF
C18 0.1uF
C19 22nF
Charging
U5 MCP73831T-2ATI/OT
R1 2.5K
C6 4.7uF
R7 470
D1 LED
Regulator
L1 2.2uH
U7
TPS61200DRC
R8 3.25M
R9 250K
C11 10uF
C14 0.1uF
C17 10uF
R14 1M
R15 180k
Amplifier
U9
MAX98357AETE
LS1
C21 0.1uF
C22 10uF
Nicholas Gray
Sheet: /
File: Nebula.kicad_sch
Title: Nebula
Size: A3
Date:
Rev: V0.0
KiCad E.D.A. kicad (6.0.5-0)
Id: 1/1