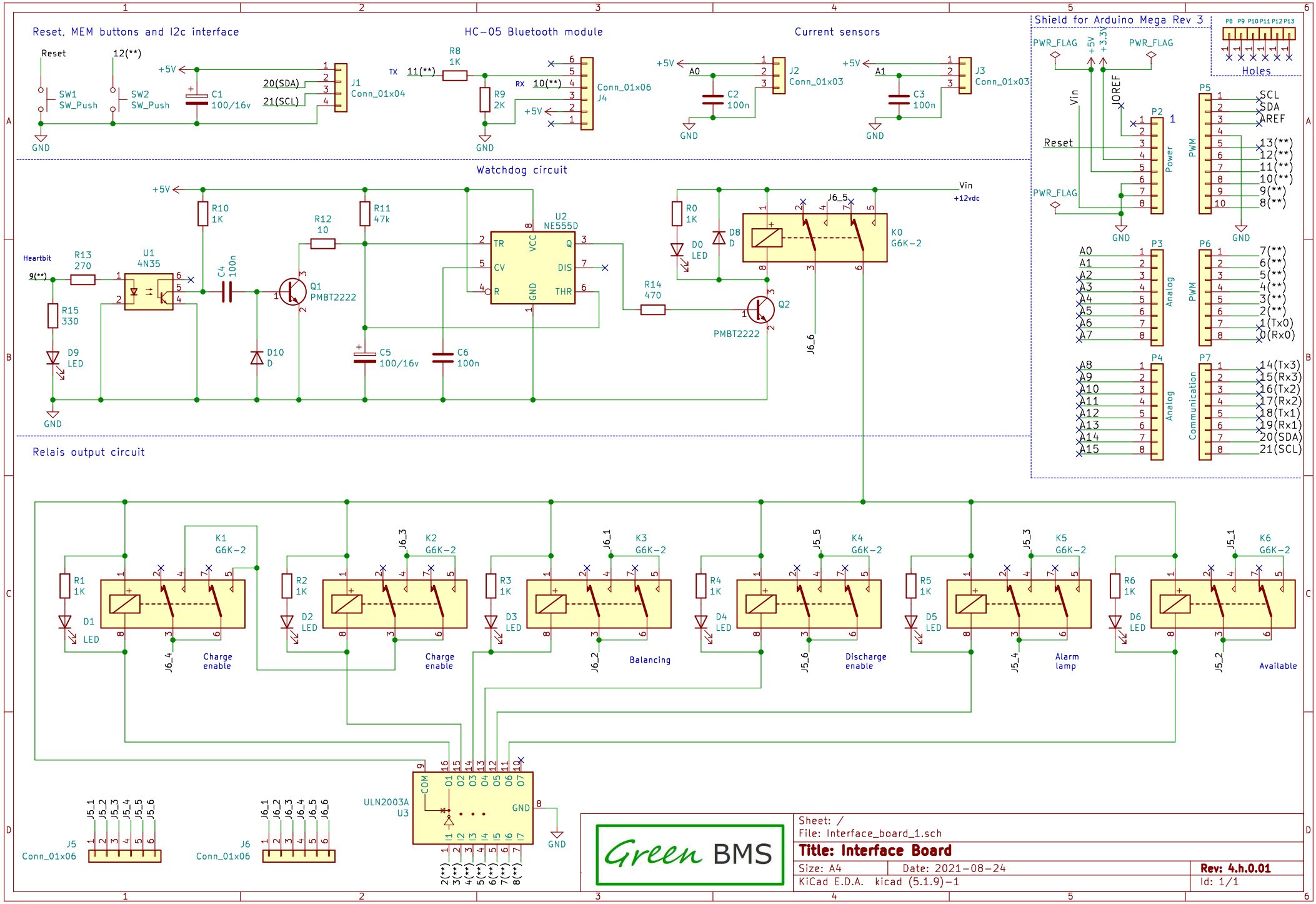
Reset, MEM buttons and I2c interface
HC-05 Bluetooth module
Current sensors
Shield for Arduino Mega Rev 3
Watchdog circuit
Relais output circuit
Reset
12(**)
SW1 SW_Push
SW2 SW_Push
C1 100/16v
20(SDA)
21(SCL)
J1 Conn_01x04
TX
11(**)
R8 1K
R9 2K
RX
10(**)
Conn_01x06 J4
A0
J2 Conn_01x03
C2 100n
A1
J3 Conn_01x03
C3 100n
GND
+5V
PWR_FLAG
Vin
IOREF
Holes
P8 P9 P10 P11 P12 P13
P2 Power
P5 PWM
SCL
SDA
AREF
13(**)
12(**)
11(**)
10(**)
9(**)
8(**)
P3 Analog
P6 PWM
7(**)
6(**)
5(**)
4(**)
3(**)
2(**)
1(Tx0)
0(Rx0)
P4 Analog
P7 Communication
14(Tx3)
15(Rx3)
16(Tx2)
17(Rx2)
18(Tx1)
19(Rx1)
20(SDA)
21(SCL)
Heartbit
9(**)
R13 270
R15 330
D9 LED
U1 4N35
C4 100n
R10 1K
R12 10
R11 47k
Q1 PMBT2222
D10 D
C5 100/16v
C6 100n
U2 NE555D
TR
CV
R
VCC
GND
Q
DIS
THR
R0 1K
D0 LED
D8 D
R14 470
Q2 PMBT2222
J6_5
J6_6
K0 G6K-2
+12vdc
R1 1K
D1 LED
K1 G6K-2
J6_4
Charge enable
R2 1K
D2 LED
K2 G6K-2
J6_3
Charge enable
R3 1K
D3 LED
K3 G6K-2
J6_1
J6_2
Balancing
R4 1K
D4 LED
K4 G6K-2
J5_5
J5_6
Discharge enable
R5 1K
D5 LED
K5 G6K-2
J5_3
J5_4
Alarm lamp
R6 1K
D6 LED
K6 G6K-2
J5_1
J5_2
Available
ULN2003A U3
COM
GND
J5 Conn_01x06
J6 Conn_01x06
J5_1 J5_2 J5_3 J5_4 J5_5 J5_6
J6_1 J6_2 J6_3 J6_4 J6_5 J6_6
2(**) 3(**) 4(**) 5(**) 6(**) 7(**) 8(**)
Green BMS
Sheet: /
File: Interface_board_1.sch
Title: Interface Board
Size: A4
Date: 2021-08-24
Rev: 4.h.0.01
KiCad E.D.A. kicad (5.1.9)-1
Id: 1/1