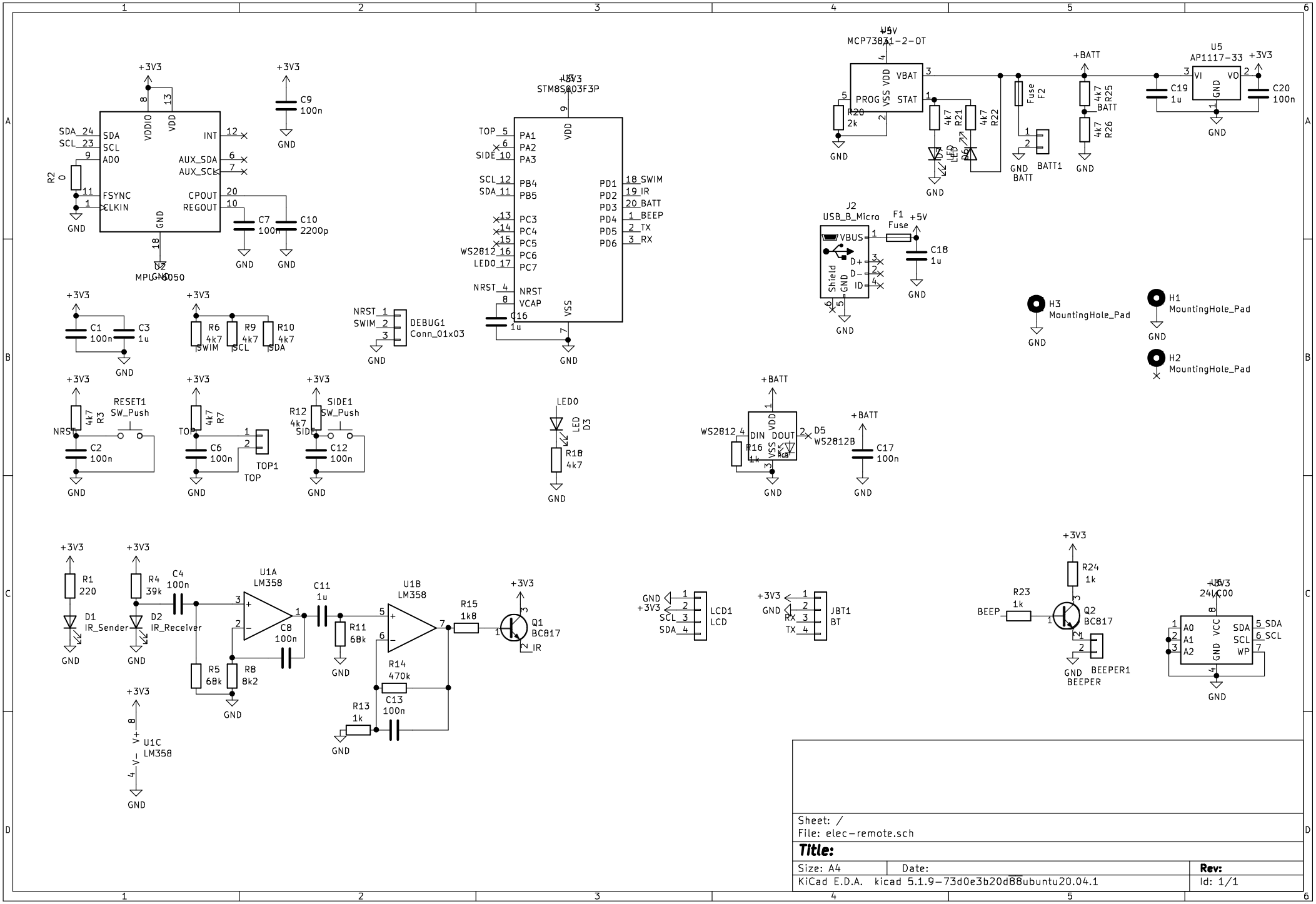
U5V
MCP73831-2-OT
VDD
VBAT
VSS
STAT
PROG
R20
2k
GND
4k7
R21
4k7
R22
LED
D6
Fuse
F2
BATT1
GND
BATT
+BATT
4k7
R25
BATT
4k7
R26
U5
AP1117-33
VI
VO
GND
C19
1u
C20
100n
+3V3
+3V3
VDDIO
VDD
SDA 24
SCL 23
SDA
SCL
AD0
INT
AUX_SDA
AUX_SCL
FSYNC
CLKIN
CPOUT
REGOUT
GND
R2
0
C7
100n
C10
2200p
C9
100n
MPU-6050
U3V3
STM8S003F3P
TOP 5
SIDE 10
SCL 12
SDA 11
WS2812 16
LED0 17
NRST 4
PA1
PA2
PA3
PB4
PB5
PC3
PC4
PC5
PC6
PC7
NRST
VCAP
VSS
C16
1u
PD1 18 SWIM
PD2 19 IR
PD3 20 BATT
PD4 1 BEEP
PD5 2 TX
PD6 3 RX
J2
USB_B_Micro
VBUS
D+
D-
ID
Shield
GND
F1
Fuse
+5V
C18
1u
H3
MountingHole_Pad
H1
MountingHole_Pad
H2
MountingHole_Pad
C1
100n
C3
1u
R6
4k7
SWIM
R9
4k7
SCL
R10
4k7
SDA
NRST 1
SWIM 2
DEBUG1
Conn_01x03
RESET1
SW_Push
R3
4k7
NRST
C2
100n
R7
4k7
TOP
C6
100n
TOP1
R12
4k7
SIDE
SIDE1
SW_Push
C12
100n
LED0
LED
D3
R18
4k7
+BATT
WS2812 4
DIN
DOUT
VDD
VSS
R16
1k
D5
WS2812B
C17
100n
R1
220
D1
IR_Sender
R4
39k
D2
IR_Receiver
C4
100n
U1A
LM358
C8
100n
R5
68k
R8
8k2
C11
1u
R11
68k
U1B
LM358
R14
470k
C13
100n
R13
1k
R15
1k8
Q1
BC817
IR
U1C
LM358
V+
V-
GND
+3V3
SCL 3
SDA 4
LCD1
LCD
RX 3
TX 4
JBT1
BT
R24
1k
R23
1k
BEEP
Q2
BC817
BEEPER1
BEEPER
24LC00
A0
A1
A2
VCC
SDA
SCL
WP
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