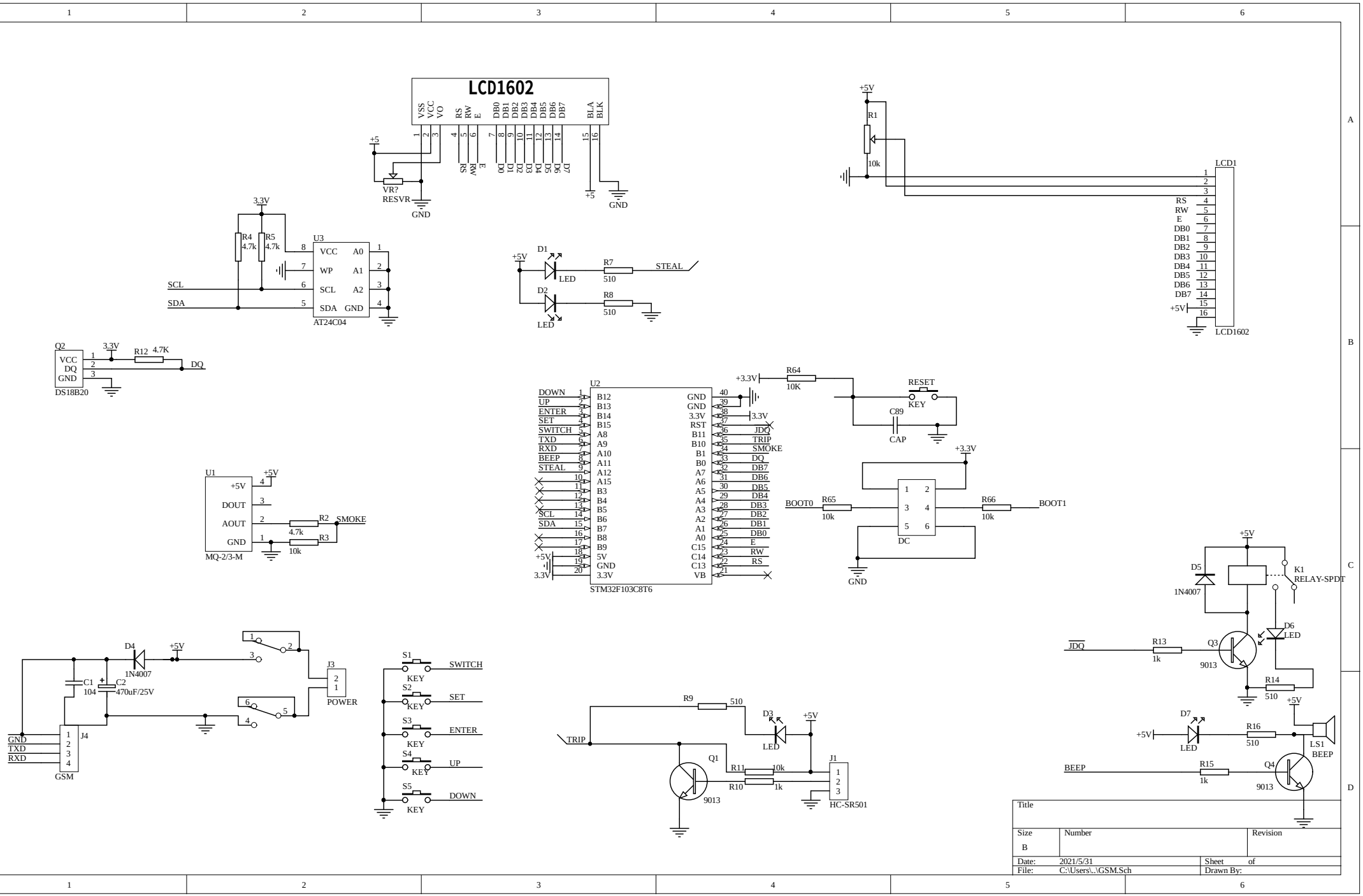
LCD1602
VSS VCC VO RS RW E DB0 DB1 DB2 DB3 DB4 DB5 DB6 DB7 BLA BLK
VR?
RESVR
GND
+5V
R1
10k
LCD1
LCD1602
U3
AT24C04
VCC A0 WP A1 SCL A2 SDA GND
R4 4.7k
R5 4.7k
3.3V
SCL
SDA
D1
D2
LED
R7 510
R8 510
STEAL
Q2
DS18B20
VCC DQ GND
R12 4.7K
DQ
U2
STM32F103C8T6
DOWN UP ENTER SET SWITCH TXD RXD BEEP STEAL SCL SDA
B12 B13 B14 B15 A8 A9 A10 A11 A12 A15 B3 B4 B5 B6 B7 B8 B9 5V GND 3.3V
GND GND 3.3V RST B11 B10 B1 B0 A7 A6 A5 A4 A3 A2 A1 A0 C15 C14 C13 VB
JDQ TRIP SMOKE DQ DB7 DB6 DB5 DB4 DB3 DB2 DB1 DB0 E RW RS
R64 10K
RESET
KEY
C89
CAP
BOOT0
R65 10k
R66 10k
BOOT1
DC
U1
MQ-2/3-M
+5V DOUT AOUT GND
R2 4.7k
R3 10k
SMOKE
D4
1N4007
C1 104
C2 470uF/25V
J3
POWER
J4
GSM
GND TXD RXD
S1 S2 S3 S4 S5
SWITCH SET ENTER UP DOWN
R9 510
D3
LED
Q1
9013
R11 10k
R10 1k
J1
HC-SR501
D5
1N4007
K1
RELAY-SPDT
D6
LED
Q3
9013
R13 1k
R14 510
D7
R16 510
LS1
BEEP
R15 1k
Q4
9013
Title
Size B
Number
Revision
Date: 2021/5/31
Sheet of
File: C:\Users\..\GSM.Sch
Drawn By: