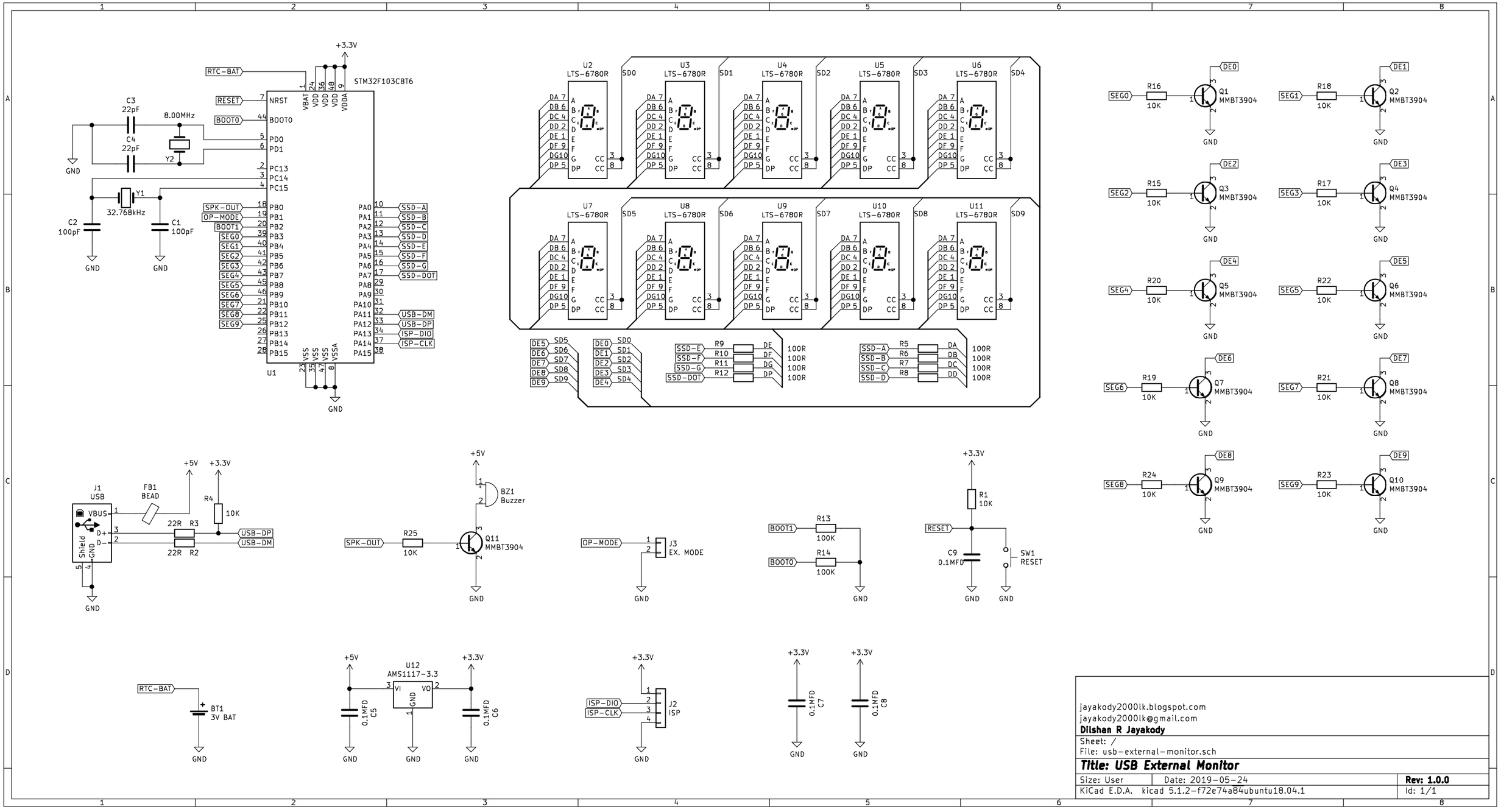
STM32F103CBT6
U1
+3.3V
RTC-BAT
RESET
BOOT0
C3 22pF
C4 22pF
8.00MHz
Y2
Y1
32.768kHz
C2 100pF
C1 100pF
GND
SPK-OUT
OP-MODE
BOOT1
SEG0
SEG1
SEG2
SEG3
SEG4
SEG5
SEG6
SEG7
SEG8
SEG9
SSD-A
SSD-B
SSD-C
SSD-D
SSD-E
SSD-F
SSD-G
SSD-DOT
USB-DM
USB-DP
ISP-DIO
ISP-CLK
U2 LTS-6780R
U3 LTS-6780R
U4 LTS-6780R
U5 LTS-6780R
U6 LTS-6780R
U7 LTS-6780R
U8 LTS-6780R
U9 LTS-6780R
U10 LTS-6780R
U11 LTS-6780R
SD0
SD1
SD2
SD3
SD4
SD5
SD6
SD7
SD8
SD9
R9
R10
R11
R12
R5
R6
R7
R8
100R
R16
R18
R15
R17
R20
R22
R19
R21
R24
R23
10K
Q1 MMBT3904
Q2 MMBT3904
Q3 MMBT3904
Q4 MMBT3904
Q5 MMBT3904
Q6 MMBT3904
Q7 MMBT3904
Q8 MMBT3904
Q9 MMBT3904
Q10 MMBT3904
DE0
DE1
DE2
DE3
DE4
DE5
DE6
DE7
DE8
DE9
J1 USB
FB1 BEAD
+5V
R4 10K
R3 22R
R2 22R
BZ1 Buzzer
R25 10K
Q11 MMBT3904
J3 EX. MODE
R13 100K
R14 100K
R1 10K
C9 0.1MFD
SW1 RESET
BT1 3V BAT
U12 AMS1117-3.3
C5 0.1MFD
C6 0.1MFD
J2 ISP
C7 0.1MFD
C8 0.1MFD
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Dilshan R Jayakody
Sheet: /
File: usb-external-monitor.sch
Title: USB External Monitor
Size: User
Date: 2019-05-24
Rev: 1.0.0
KiCad E.D.A. kicad 5.1.2-f72e74a84ubuntu18.04.1
Id: 1/1