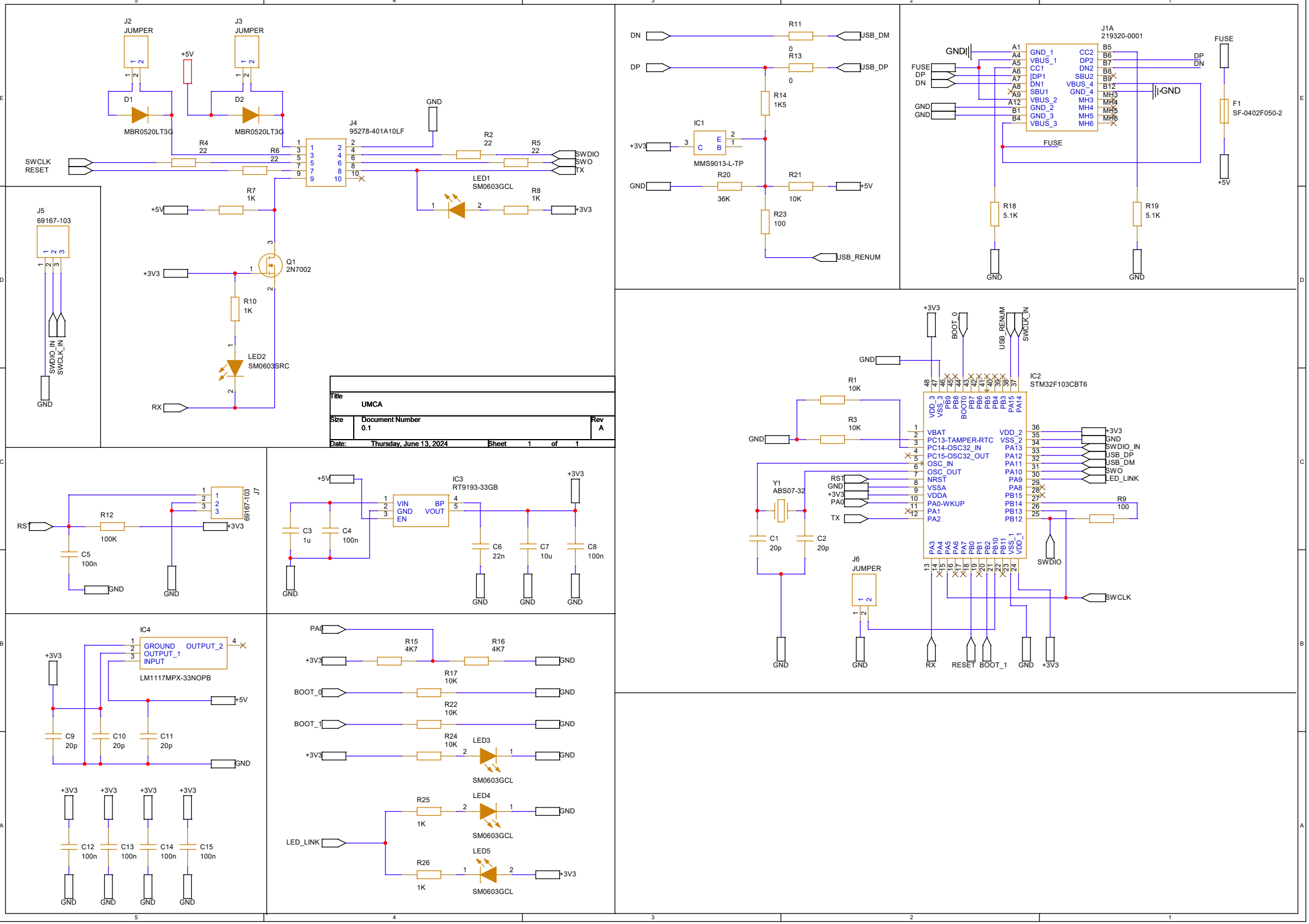
J2
JUMPER
J3
JUMPER
+5V
D1
MBR0520LT3G
D2
MBR0520LT3G
GND
J4
95278-401A10LF
R4
22
R6
22
R2
22
R5
22
SWCLK
RESET
SWDIO
SWO
TX
LED1
SM0603GCL
R8
1K
+3V3
R7
1K
+5V
Q1
2N7002
+3V3
R10
1K
LED2
SM0603SRC
RX
J5
69167-103
SWDIO_IN
SWCLK_IN
GND
Title
UMCA
Size
Document Number
0.1
Rev
A
Date:
Thursday, June 13, 2024
Sheet
1
of
1
DN
DP
R11
0
R13
0
USB_DM
USB_DP
R14
1K5
IC1
MMS9013-L-TP
+3V3
GND
R20
36K
R21
10K
+5V
R23
100
USB_RENUM
J1A
219320-0001
GND
FUSE
DP
DN
GND
GND
GND
FUSE
F1
SF-0402F050-2
+5V
R18
5.1K
R19
5.1K
GND
GND
+3V3
BOOT_0
USB_RENUM
SWCLK_IN
GND
R1
10K
R3
10K
IC2
STM32F103CBT6
VDD_3
VSS_3
PB9
PB8
BOOT0
PB7
PB6
PB5
PB4
PB3
PA15
PA14
VBAT
PC13-TAMPER-RTC
PC14-OSC32_IN
PC15-OSC32_OUT
OSC_IN
OSC_OUT
NRST
VSSA
VDDA
PA0-WKUP
PA1
PA2
VDD_2
VSS_2
PA13
PA12
PA11
PA10
PA9
PA8
PB15
PB14
PB13
PB12
PA3
PA4
PA5
PA6
PA7
PB0
PB1
PB2
PB10
PB11
VSS_1
VDD_1
+3V3
GND
SWDIO_IN
USB_DP
USB_DM
SWO
LED_LINK
R9
100
SWDIO
SWCLK
Y1
ABS07-32
RS1
GND
+3V3
PA0
TX
C1
20p
C2
20p
J6
JUMPER
GND
GND
RX
RESET
BOOT_1
GND
+3V3
RS
R12
100K
C5
100n
GND
GND
J7
69167-103
+5V
IC3
RT9193-33GB
VIN
GND
EN
BP
VOUT
+3V3
C3
1u
C4
100n
C6
22n
C7
10u
C8
100n
GND
GND
GND
GND
IC4
GROUND
OUTPUT_1
INPUT
OUTPUT_2
LM1117MPX-33NOPB
+3V3
+5V
C9
20p
C10
20p
C11
20p
GND
+3V3
+3V3
+3V3
+3V3
C12
100n
C13
100n
C14
100n
C15
100n
GND
GND
GND
GND
PA0
R15
4K7
R16
4K7
+3V3
GND
BOOT_0
R17
10K
GND
BOOT_1
R22
10K
GND
+3V3
R24
10K
LED3
SM0603GCL
GND
LED_LINK
R25
1K
LED4
SM0603GCL
GND
R26
1K
LED5
SM0603GCL
+3V3