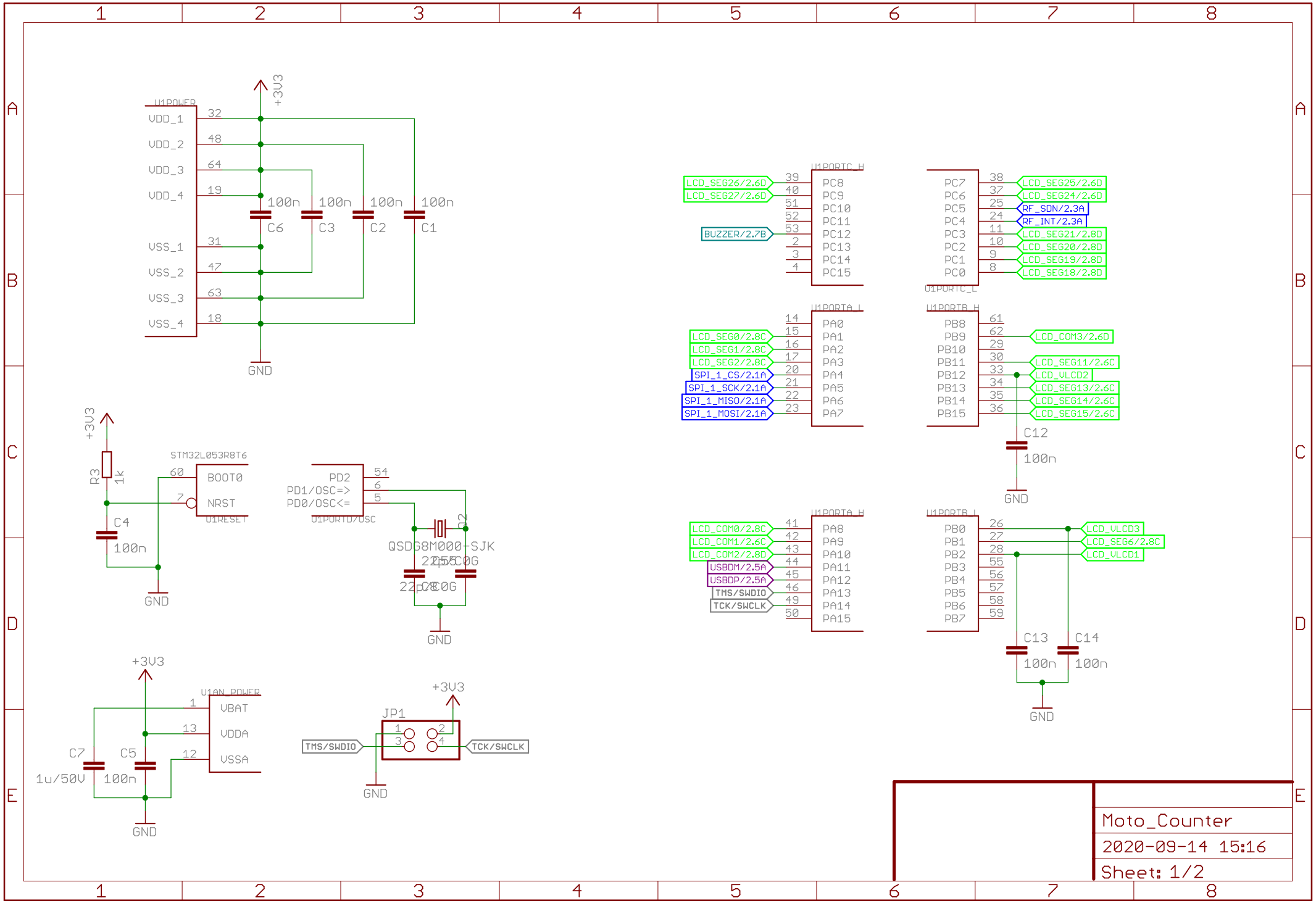
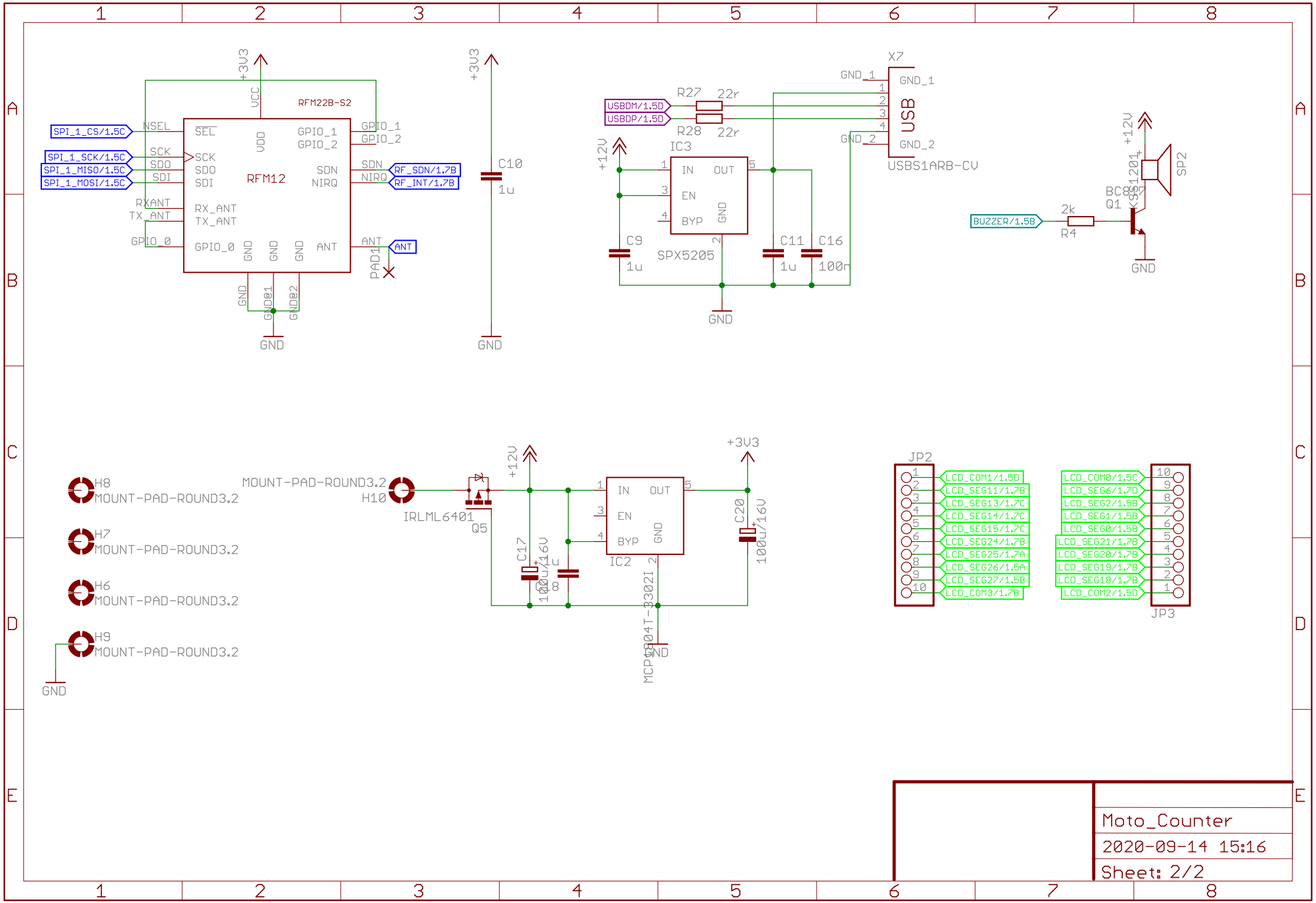

U1POWER
VDD_1 32
VDD_2 48
VDD_3 64
VDD_4 19
VSS_1 31
VSS_2 47
VSS_3 63
VSS_4 18
+3V3
100n C6
100n C3
100n C2
100n C1
GND
U1PORTC_H
LCD_SEG26/2.6D 39 PC8
LCD_SEG27/2.6D 40 PC9
51 PC10
52 PC11
BUZZER/2.7B 53 PC12
2 PC13
3 PC14
4 PC15
U1PORTC_L
PC7 38 LCD_SEG25/2.6D
PC6 37 LCD_SEG24/2.6D
PC5 25 RF_SDN/2.3A
PC4 24 RF_INT/2.3A
PC3 11 LCD_SEG21/2.8D
PC2 10 LCD_SEG20/2.8D
PC1 9 LCD_SEG19/2.8D
PC0 8 LCD_SEG18/2.8D
U1PORTA_L
14 PA0
LCD_SEG0/2.8C 15 PA1
LCD_SEG1/2.8C 16 PA2
LCD_SEG2/2.8C 17 PA3
SPI_1_CS/2.1A 20 PA4
SPI_1_SCK/2.1A 21 PA5
SPI_1_MISO/2.1A 22 PA6
SPI_1_MOSI/2.1A 23 PA7
U1PORTB_H
PB8 61
PB9 62 LCD_COM3/2.6D
PB10 29
PB11 30 LCD_SEG11/2.6C
PB12 33 LCD_VLCD2
PB13 34 LCD_SEG13/2.6C
PB14 35 LCD_SEG14/2.6C
PB15 36 LCD_SEG15/2.6C
C12 100n
GND
U1PORTA_H
LCD_COM0/2.8C 41 PA8
LCD_COM1/2.6C 42 PA9
LCD_COM2/2.8D 43 PA10
USBDM/2.5A 44 PA11
USBDP/2.5A 45 PA12
TMS/SWDIO 46 PA13
TCK/SWCLK 49 PA14
50 PA15
U1PORTB_L
PB0 26 LCD_VLCD3
PB1 27 LCD_SEG6/2.8C
PB2 28 LCD_VLCD1
PB3 55
PB4 56
PB5 57
PB6 58
PB7 59
C13 100n
C14 100n
GND
+3V3
R3 1k
STM32L053R8T6
60 BOOT0
7 NRST
U1RESET
C4 100n
GND
PD2 54
PD1/OSC=> 6
PD0/OSC<= 5
U1PORTD/OSC
Q2
QSDG8M000+SJK
22pF C80G
22pF C80G
GND
+3V3
U1AN_POWER
1 VBAT
13 VDDA
12 VSSA
C7 1u/50V
C5 100n
GND
+3V3
JP1
1 2
3 4
TMS/SWDIO
TCK/SWCLK
GND
Moto_Counter
2020-09-14 15:16
Sheet: 1/2


RFM22B-S2
RFM12
+3V3
VCC
VDD
NSEL
SEL
SCK
SDO
SDI
RX_ANT
TX_ANT
GPIO_0
GND
ANT
GPIO_1
GPIO_2
SDN
NIRQ
SPI_1_CS/1.5C
SPI_1_SCK/1.5C
SPI_1_MISO/1.5C
SPI_1_MOSI/1.5C
RF_SDN/1.7B
RF_INT/1.7B
PAD1
C10
1u
X7
USB
USBS1ARB-CV
GND_1
GND_2
USBDM/1.5D
USBDP/1.5D
R27
R28
22r
IC3
SPX5205
IN
OUT
EN
BYP
+12V
C9
C11
C16
100n
SP2
BC817
Q1
2k
R4
BUZZER/1.5B
H8
H7
H6
H9
MOUNT-PAD-ROUND3.2
H10
IRLML6401
Q5
C17
100U/16V
C18
IC2
MCP1804T-3302I
C20
JP2
JP3
LCD_COM1/1.5D
LCD_SEG11/1.7B
LCD_SEG13/1.7C
LCD_SEG14/1.7C
LCD_SEG15/1.7C
LCD_SEG24/1.7B
LCD_SEG25/1.7A
LCD_SEG26/1.5A
LCD_SEG27/1.5B
LCD_COM3/1.7B
LCD_COM0/1.5C
LCD_SEG6/1.7D
LCD_SEG2/1.5B
LCD_SEG1/1.5B
LCD_SEG0/1.5B
LCD_SEG21/1.7B
LCD_SEG20/1.7B
LCD_SEG19/1.7B
LCD_SEG18/1.7B
LCD_COM2/1.5D
Moto_Counter
2020-09-14 15:16
Sheet: 2/2