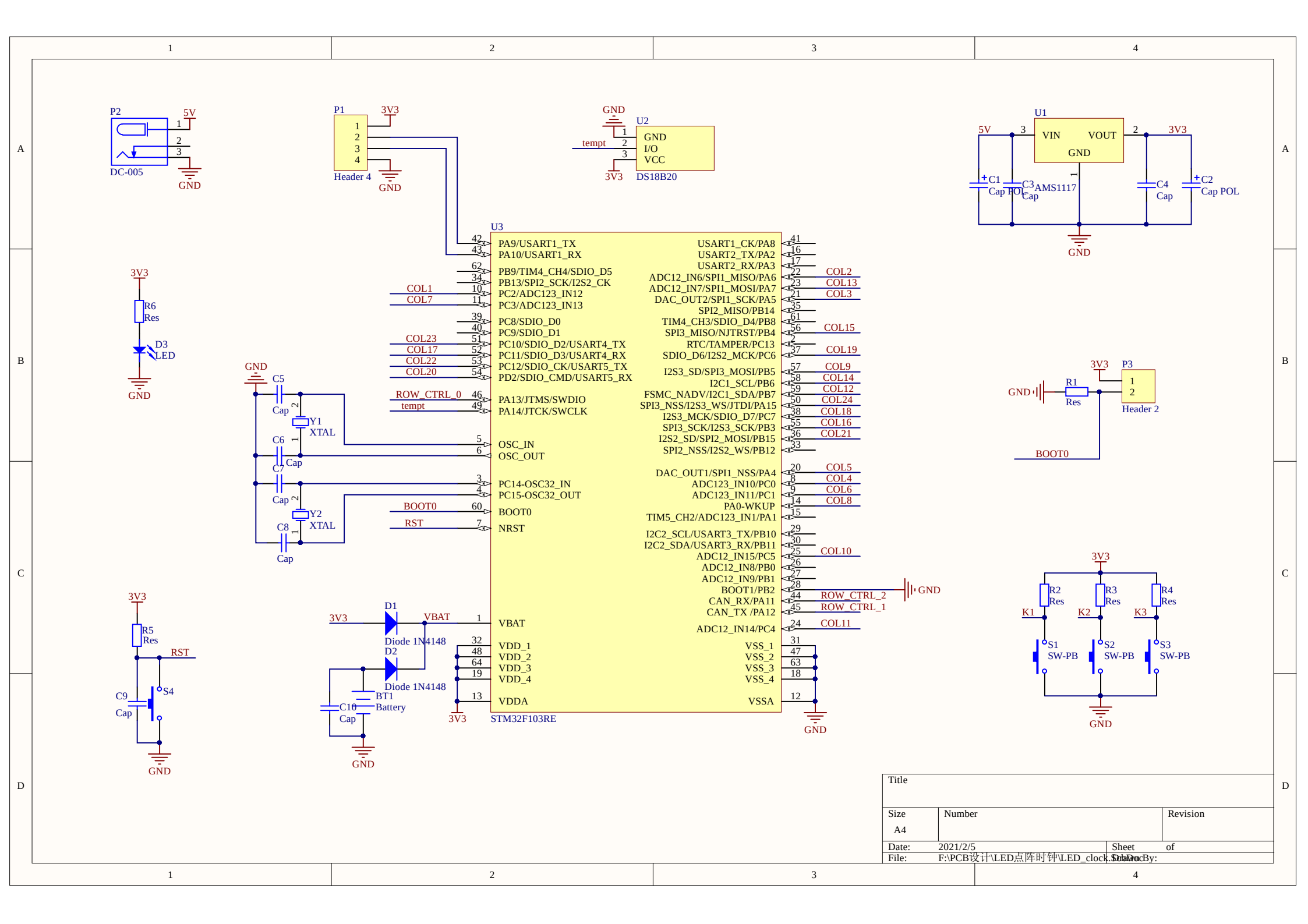
P2
5V
DC-005
GND
P1
3V3
Header 4
GND
GND
U2
tempt
GND
I/O
VCC
3V3
DS18B20
U1
5V
VIN
VOUT
3V3
GND
C1
Cap POL
C3
Cap
AMS1117
C4
Cap
C2
Cap POL
GND
U3
PA9/USART1_TX
PA10/USART1_RX
PB9/TIM4_CH4/SDIO_D5
PB13/SPI2_SCK/I2S2_CK
COL1
PC2/ADC123_IN12
COL7
PC3/ADC123_IN13
PC8/SDIO_D0
PC9/SDIO_D1
COL23
PC10/SDIO_D2/USART4_TX
COL17
PC11/SDIO_D3/USART4_RX
COL22
PC12/SDIO_CK/USART5_TX
COL20
PD2/SDIO_CMD/USART5_RX
ROW_CTRL_0
PA13/JTMS/SWDIO
tempt
PA14/JTCK/SWCLK
OSC_IN
OSC_OUT
PC14-OSC32_IN
PC15-OSC32_OUT
BOOT0
BOOT0
RST
NRST
VBAT
VDD_1
VDD_2
VDD_3
VDD_4
VDDA
STM32F103RE
USART1_CK/PA8
USART2_TX/PA2
USART2_RX/PA3
ADC12_IN6/SPI1_MISO/PA6
COL2
ADC12_IN7/SPI1_MOSI/PA7
COL13
DAC_OUT2/SPI1_SCK/PA5
COL3
SPI2_MISO/PB14
TIM4_CH3/SDIO_D4/PB8
SPI3_MISO/NJTRST/PB4
COL15
RTC/TAMPER/PC13
SDIO_D6/I2S2_MCK/PC6
COL19
I2S3_SD/SPI3_MOSI/PB5
COL9
I2C1_SCL/PB6
COL14
FSMC_NADV/I2C1_SDA/PB7
COL12
SPI3_NSS/I2S3_WS/JTDI/PA15
COL24
I2S3_MCK/SDIO_D7/PC7
COL18
SPI3_SCK/I2S3_SCK/PB3
COL16
I2S2_SD/SPI2_MOSI/PB15
COL21
SPI2_NSS/I2S2_WS/PB12
DAC_OUT1/SPI1_NSS/PA4
COL5
ADC123_IN10/PC0
COL4
ADC123_IN11/PC1
COL6
PA0-WKUP
COL8
TIM5_CH2/ADC123_IN1/PA1
I2C2_SCL/USART3_TX/PB10
I2C2_SDA/USART3_RX/PB11
ADC12_IN15/PC5
COL10
ADC12_IN8/PB0
ADC12_IN9/PB1
BOOT1/PB2
GND
CAN_RX/PA11
ROW_CTRL_2
CAN_TX /PA12
ROW_CTRL_1
ADC12_IN14/PC4
COL11
VSS_1
VSS_2
VSS_3
VSS_4
VSSA
GND
3V3
R6
Res
D3
LED
GND
GND
C5
Cap
Y1
XTAL
C6
Cap
C7
Cap
Y2
XTAL
C8
Cap
3V3
D1
Diode 1N4148
D2
Diode 1N4148
BT1
Battery
C10
Cap
GND
3V3
R1
Res
P3
Header 2
BOOT0
3V3
R5
Res
RST
S4
C9
Cap
GND
3V3
R2
Res
R3
Res
R4
Res
K1
K2
K3
S1
SW-PB
S2
SW-PB
S3
SW-PB
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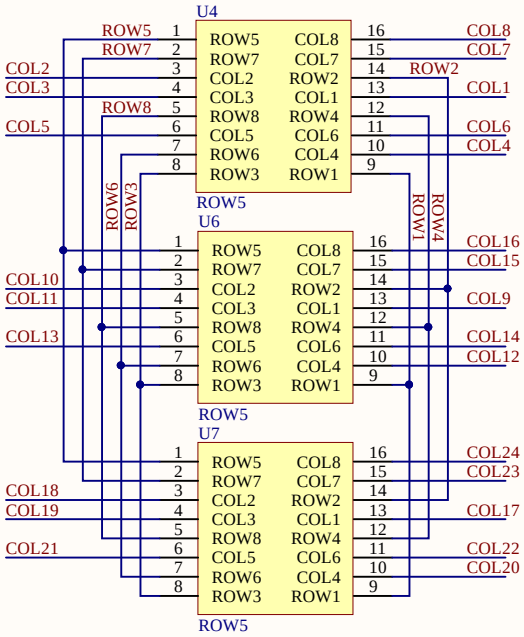

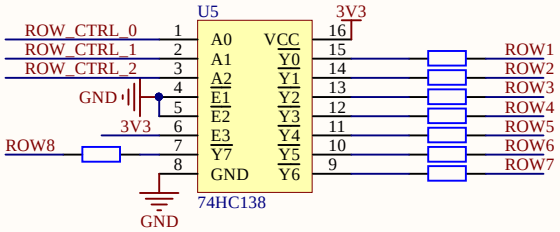

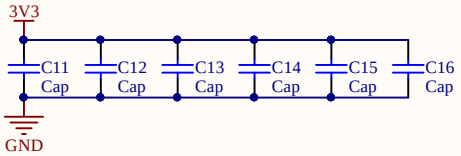

Title		
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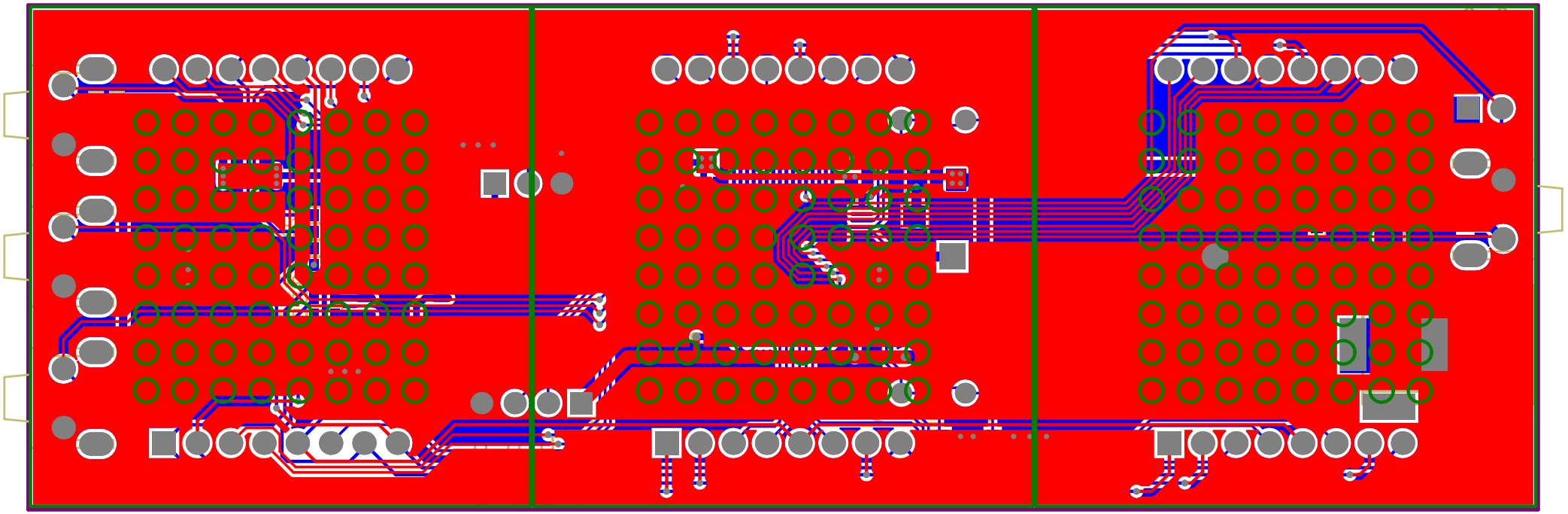

Comment	Description	Designator	Footprint	LibRef	Quantity
Battery	Multicell Battery	BT1	CR2032_B	Battery	1
Cap POL		C1, C2	LC-CASE-B_3528	Cap POL	2
Cap		C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16	C-0603	Cap	14
Diode 1N4148	High Conductance Fast Diode	D1, D2	SOD-123/1206	Diode 1N4148	2
LED		D3	LED-0603-Red	LED	1
Header 4	Header, 4-Pin	P1	HDR2.54-WI-4P	Header 4	1
DC-005		P2	DC-005	DC-005	1
Header 2	Header, 2-Pin	P3	HDR2.54-WI-2P	Header 2	1
Res		R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14	R-0603-M	Res	14
SW-PB	Switch	S1, S2, S3, S4	SB-6*6*5 90°	SW-PB	4
AMS1117		U1	SOT-223	AMS1117	1
DS18B20		U2	HDR2.54-M-WS-3P	DS18B20	1
STM32F103RE	32位STM单片机	U3	LQFP64	STM32F103RE	1
ROW5		U4, U6, U7	LED 8*8-38	LED8*8_16	3
74HC138		U5	SOP-16-M	74HC138	1
XTAL	Crystal Oscillator	Y1, Y2	49S	XTAL	2