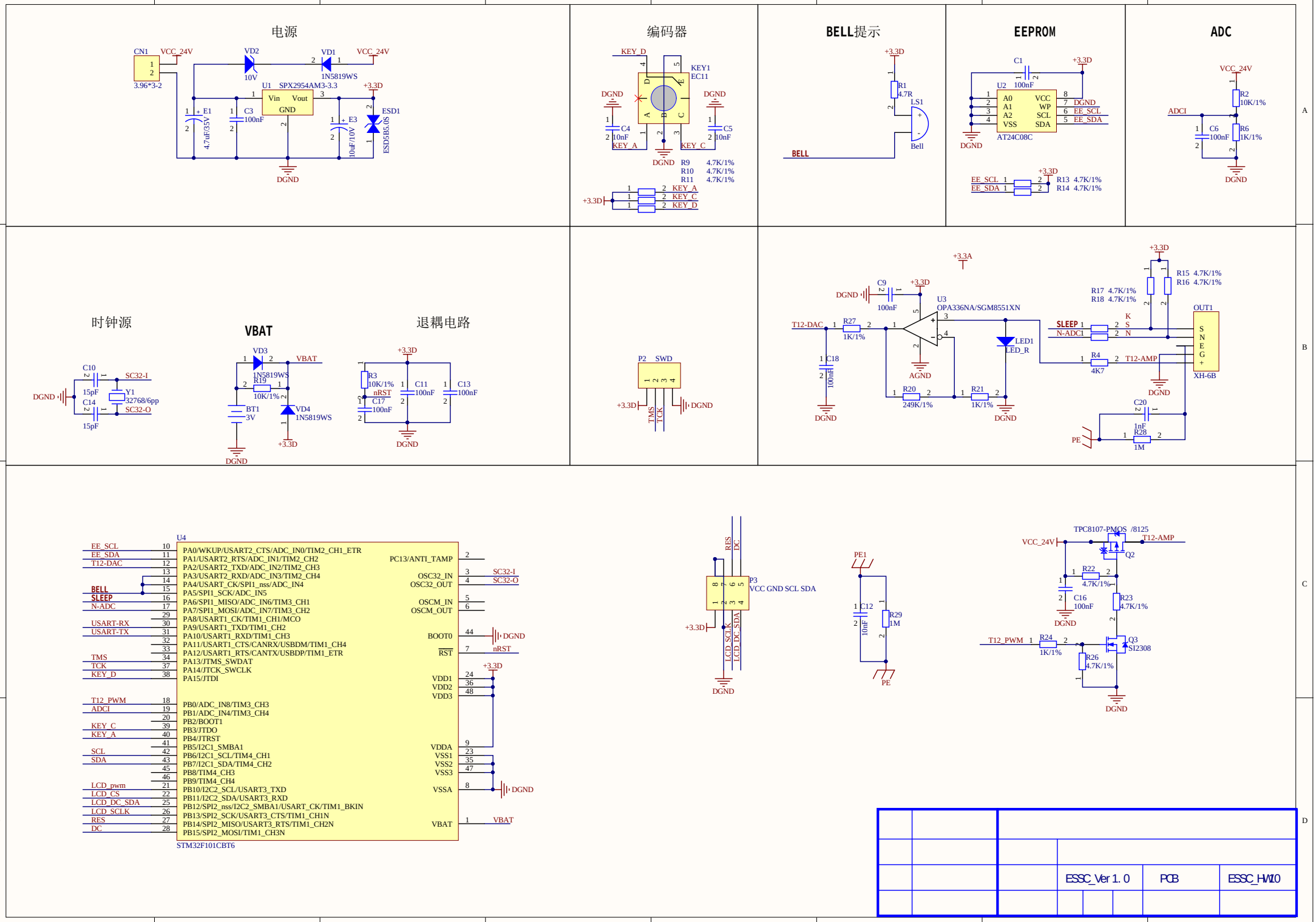
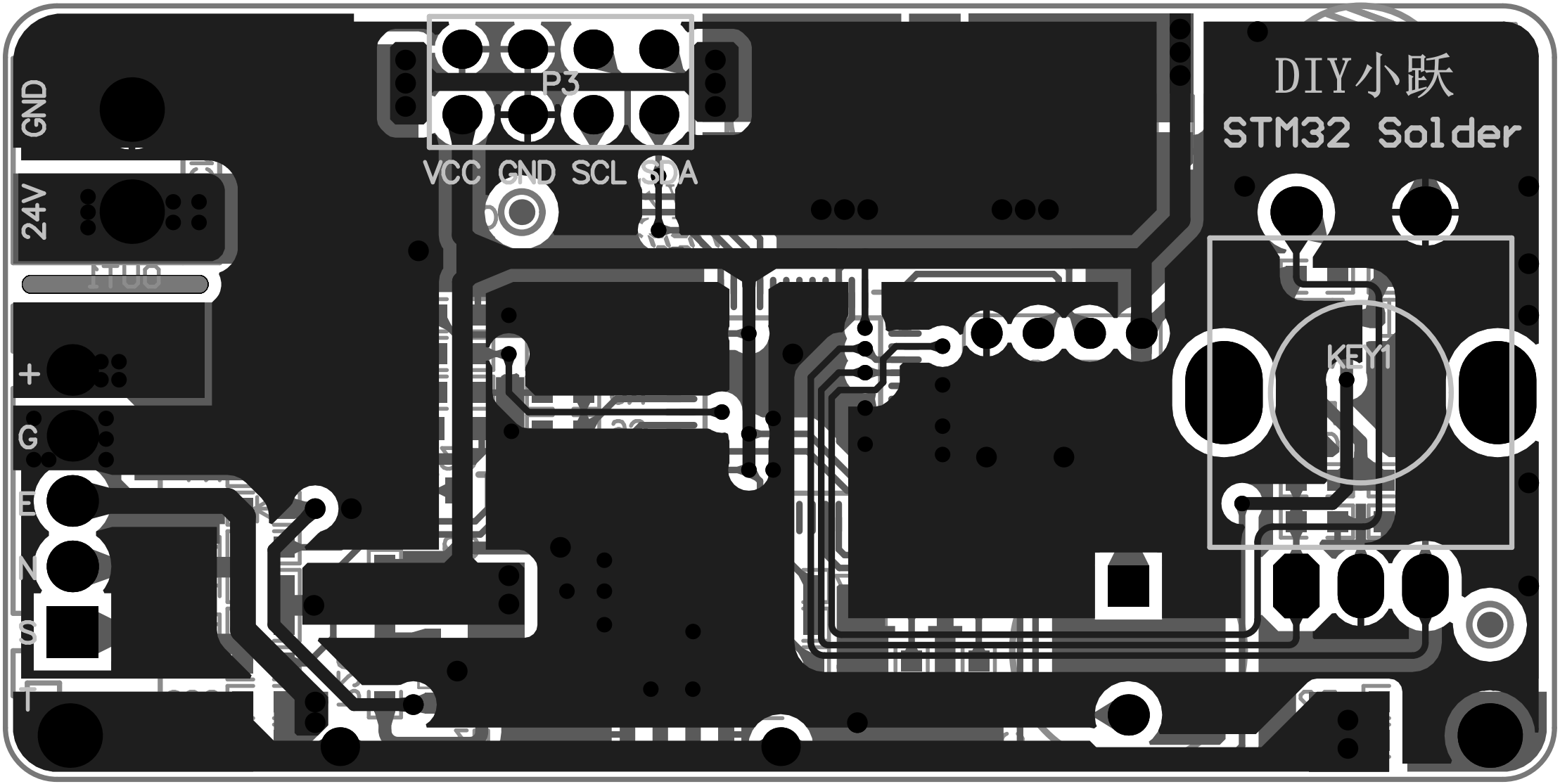

电源
CN1
VCC_24V
3.96*3-2
VD2
10V
VD1
1N5819WS
U1 SPX2954AM3-3.3
Vin Vout
GND
+3.3D
E1
4.7uF/35V
C3
100nF
E3
10uF/10V
ESD1
ESD585.US
DGND
编码器
KEY_D
KEY1
EC11
DGND
C4
10nF
KEY_A
C5
10nF
KEY_C
R9 4.7K/1%
R10 4.7K/1%
R11 4.7K/1%
KEY_A
KEY_C
KEY_D
BELL提示
R1
4.7R
LS1
Bell
BELL
EEPROM
C1
100nF
U2
A0
A1
A2
VSS
VCC
WP
SCL
SDA
DGND
EE_SCL
EE_SDA
AT24C08C
R13 4.7K/1%
R14 4.7K/1%
ADC
VCC_24V
R2
10K/1%
ADCI
C6
100nF
R6
1K/1%
时钟源
C10
SC32-I
15pF
Y1
32768/6pp
C14
SC32-O
15pF
VBAT
VD3
1N5819WS
VBAT
R19
10K/1%
BT1
3V
VD4
1N5819WS
退耦电路
R3
10K/1%
nRST
C17
100nF
C11
100nF
C13
100nF
P2 SWD
TMS
TCK
+3.3A
C9
100nF
U3
OPA336NA/SGM8551XN
T12-DAC
R27
1K/1%
C18
100nF
AGND
LED1
LED_R
R20
249K/1%
R21
1K/1%
R15 4.7K/1%
R16 4.7K/1%
R17 4.7K/1%
R18 4.7K/1%
SLEEP
N-ADC1
R4
4K7
T12-AMP
OUT1
XH-6B
C20
1nF
R28
1M
PE
U4
STM32F101CBT6
EE_SCL
EE_SDA
T12-DAC
BELL
SLEEP
N-ADC
USART-RX
USART-TX
TMS
TCK
KEY_D
T12_PWM
ADCI
KEY_C
KEY_A
SCL
SDA
LCD_pwm
LCD_CS
LCD_DC_SDA
LCD_SCLK
RES
DC
PA0/WKUP/USART2_CTS/ADC_IN0/TIM2_CH1_ETR
PA1/USART2_RTS/ADC_IN1/TIM2_CH2
PA2/USART2_TXD/ADC_IN2/TIM2_CH3
PA3/USART2_RXD/ADC_IN3/TIM2_CH4
PA4/USART_CK/SPI1_nss/ADC_IN4
PA5/SPI1_SCK/ADC_IN5
PA6/SPI1_MISO/ADC_IN6/TIM3_CH1
PA7/SPI1_MOSI/ADC_IN7/TIM3_CH2
PA8/USART1_CK/TIM1_CH1/MCO
PA9/USART1_TXD/TIM1_CH2
PA10/USART1_RXD/TIM1_CH3
PA11/USART1_CTS/CANRX/USBDM/TIM1_CH4
PA12/USART1_RTS/CANTX/USBDP/TIM1_ETR
PA13/JTMS_SWDAT
PA14/JTCK_SWCLK
PA15/JTDI
PB0/ADC_IN8/TIM3_CH3
PB1/ADC_IN4/TIM3_CH4
PB2/BOOT1
PB3/JTDO
PB4/JTRST
PB5/I2C1_SMBA1
PB6/I2C1_SCL/TIM4_CH1
PB7/I2C1_SDA/TIM4_CH2
PB8/TIM4_CH3
PB9/TIM4_CH4
PB10/I2C2_SCL/USART3_TXD
PB11/I2C2_SDA/USART3_RXD
PB12/SPI2_nss/I2C2_SMBA1/USART_CK/TIM1_BKIN
PB13/SPI2_SCK/USART3_CTS/TIM1_CH1N
PB14/SPI2_MISO/USART3_RTS/TIM1_CH2N
PB15/SPI2_MOSI/TIM1_CH3N
PC13/ANTI_TAMP
OSC32_IN
OSC32_OUT
OSCM_IN
OSCM_OUT
BOOT0
RST
VDD1
VDD2
VDD3
VDDA
VSS1
VSS2
VSS3
VSSA
VBAT
SC32-I
SC32-O
nRST
P3
VCC GND SCL SDA
PE1
C12
10nF
R29
1M
TPC8107-PMOS /8125
T12-AMP
Q2
R22
4.7K/1%
C16
100nF
R23
4.7K/1%
T12_PWM
R24
1K/1%
Q3
SI2308
R26
4.7K/1%
ESSC_Ver 1.0
PCB
ESSC_HW10


GND
24V
+
G
E
N
S
P3
VCC GND SCL SDA
DIY小跃
STM32 Solder
KEY1