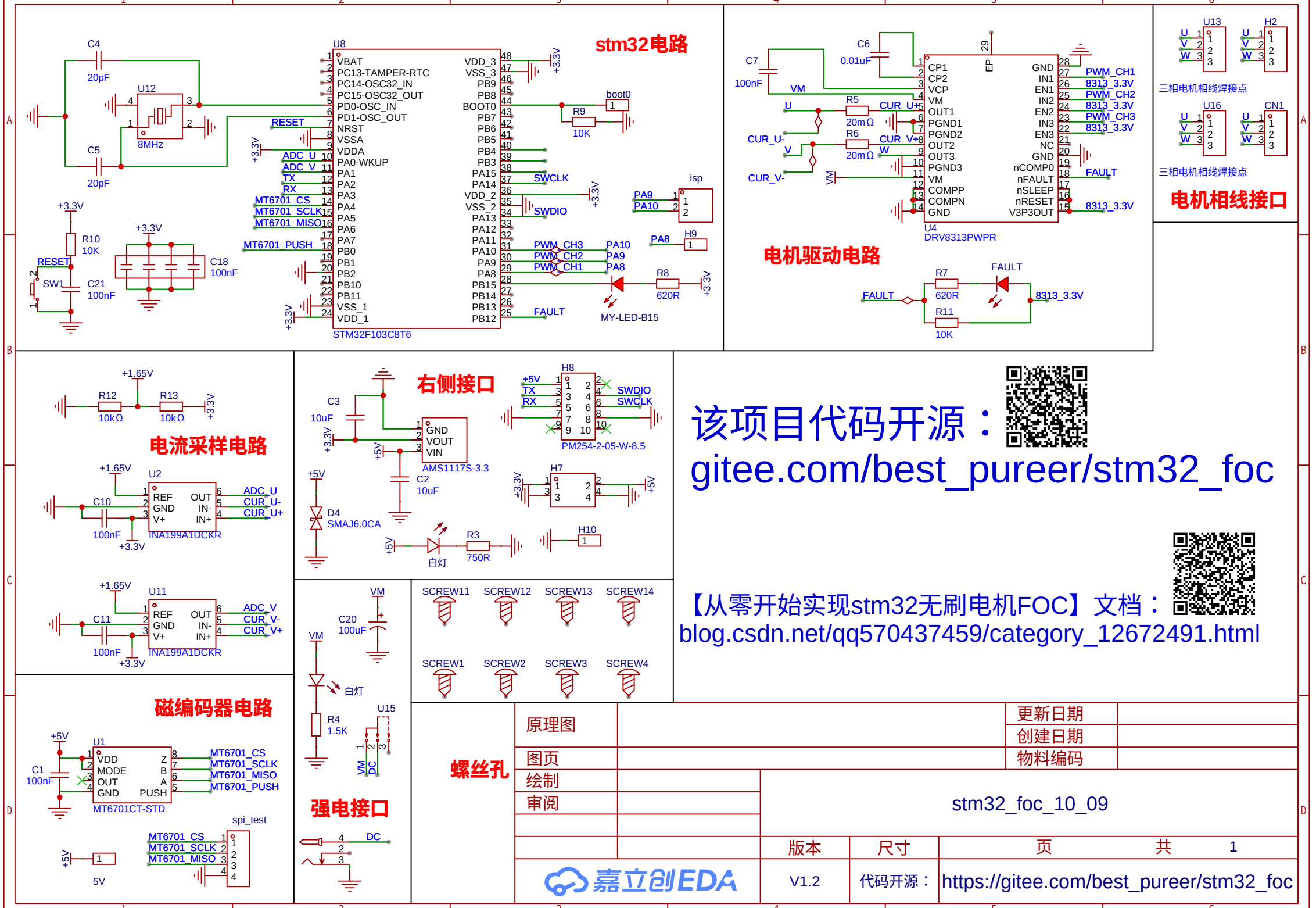
stm32电路
U8
STM32F103C8T6
VBAT
PC13-TAMPER-RTC
PC14-OSC32_IN
PC15-OSC32_OUT
PD0-OSC_IN
PD1-OSC_OUT
NRST
VSSA
VDDA
PA0-WKUP
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PB0
PB1
PB2
PB10
PB11
VSS_1
VDD_1
VDD_3
VSS_3
PB9
PB8
BOOT0
PB7
PB6
PB5
PB4
PB3
PA15
PA14
VDD_2
VSS_2
PA13
PA12
PA11
PA10
PA9
PA8
PB15
PB14
PB13
PB12
C4
20pF
C5
20pF
U12
8MHz
RESET
ADC_U
ADC_V
TX
RX
MT6701_CS
MT6701_SCLK
MT6701_MISO
MT6701_PUSH
SWCLK
SWDIO
PWM_CH3
PWM_CH2
PWM_CH1
FAULT
boot0
R9
10K
isp
PA9
PA10
PA8
H9
R8
620R
MY-LED-B15
+3.3V
R10
10K
SW1
C21
100nF
C18
100nF
电机驱动电路
U4
DRV8313PWPR
CP1
CP2
VCP
VM
OUT1
PGND1
PGND2
OUT2
OUT3
PGND3
VM
COMPP
COMPN
GND
EP
GND
IN1
EN1
IN2
EN2
IN3
EN3
NC
GND
nCOMP0
nFAULT
nSLEEP
nRESET
V3P3OUT
C6
0.01uF
C7
100nF
R5
20mΩ
R6
20mΩ
CUR_U+
CUR_V+
CUR_U-
CUR_V-
U
V
W
R7
620R
R11
10K
8313_3.3V
电机相线接口
U13
U16
H2
CN1
三相电机相线焊接点
三相电机相线焊接点
电流采样电路
R12
10kΩ
R13
10kΩ
+1.65V
U2
U11
REF
GND
V+
OUT
IN-
IN+
INA199A1DCKR
C10
100nF
C11
100nF
ADC_U
CUR_U-
CUR_U+
ADC_V
CUR_V-
CUR_V+
右侧接口
C3
10uF
C2
10uF
AMS1117S-3.3
GND
VOUT
VIN
D4
SMAJ6.0CA
R3
750R
白灯
H8
PM254-2-05-W-8.5
H7
H10
SWDIO
SWCLK
磁编码器电路
U1
MT6701CT-STD
VDD
MODE
OUT
GND
Z
B
A
PUSH
C1
100nF
MT6701_CS
MT6701_SCLK
MT6701_MISO
MT6701_PUSH
spi_test
5V
C20
100uF
R4
1.5K
U15
DC
强电接口
SCREW11
SCREW12
SCREW13
SCREW14
SCREW1
SCREW2
SCREW3
SCREW4
螺丝孔
该项目代码开源：
gitee.com/best_pureer/stm32_foc
【从零开始实现stm32无刷电机FOC】文档：
blog.csdn.net/qq570437459/category_12672491.html
原理图
图页
绘制
审阅
更新日期
创建日期
物料编码
stm32_foc_10_09
版本
尺寸
页
共
1
V1.2
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嘉立创EDA