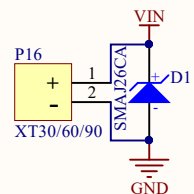
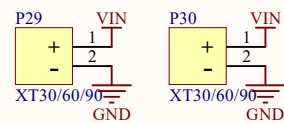


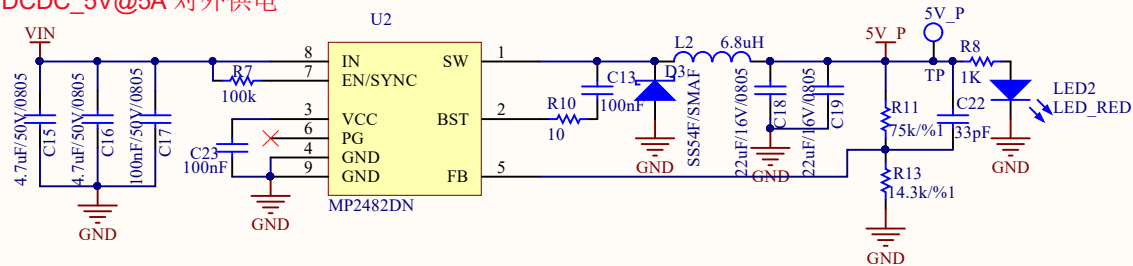
PWR_IN



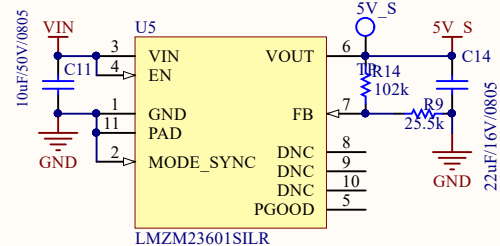
PWR_OUT



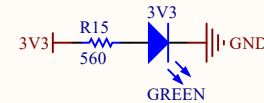
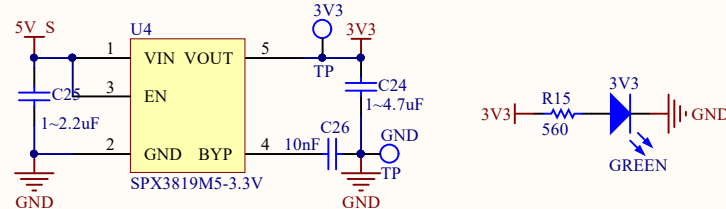
DCDC_5V@5A 对外供电



DCDC_5V@1A 板内供电

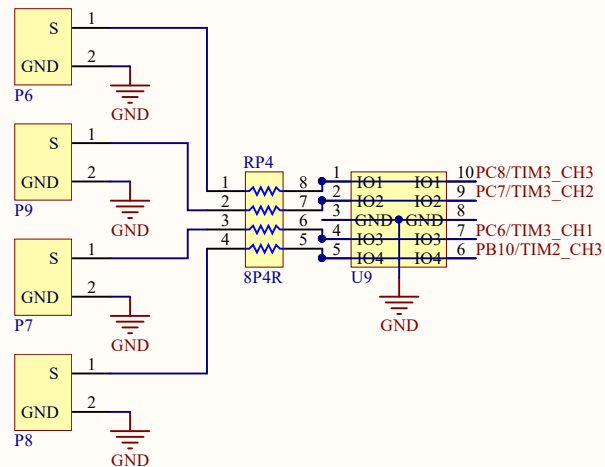


LDO_3V3



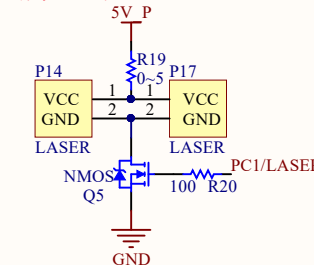
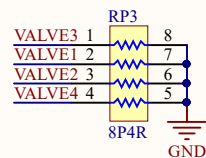
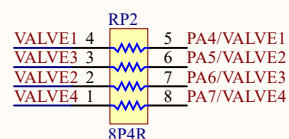
Title		
Size	Number	Revision
A4		
Date:	2018/12/6	Sheet of
File:	H:\learning\STM32F10RBT6通用开发板电源	SchDoc

MCU: STM32F105

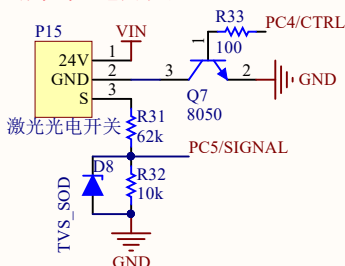


外设		数量	具体说明
GPIO	LED	2	双色LED
	按键	2	外部输入
	插座	8	HY2.0插座, 可输出PWM
	电磁阀	4	24V供电
	激光	1	瞄准用激光
CAN		2	两路CAN通信
IIC		1	用于模块通信, 可供电
SPI		1	用于模块通信, 可供电
USB		1	用于PC通信
UART	普通UART	3	用于一般串口通信
	遥控器	1	用于遥控器D-Bus
	转USB	1	调试用, 直接连接USB

激光瞄准器



激光光电开关



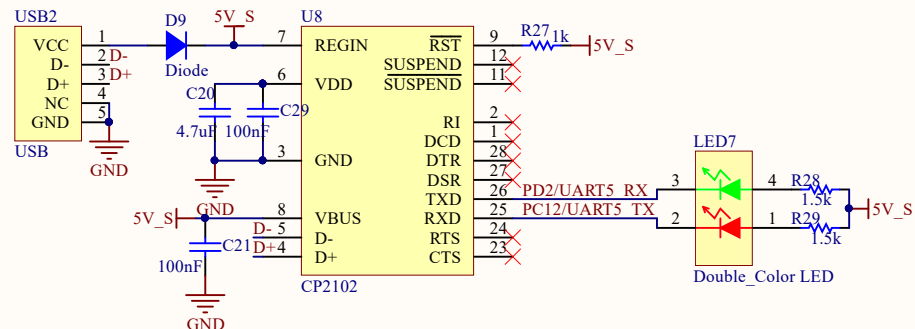
Title		
Size A4	Number	Revision
Date: 2018/12/6	Sheet of	
File: H:\learning\STM32F10RB6通用开发板硬件接口.SchDoc		

P24

1 PA9/USART1_TX
2 PA10/USART1_RX
3 GND

←TX
→RX
GND

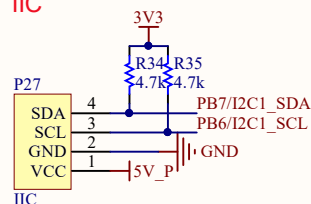
裁判系统/GH1.25-3p立式



P28

Pin	Signal	External Connection
1	VCC	3V3
2	GND	
3	NSS	PA1/SPI3_NSS
4	SCLK	PB3/SPI3_SCK
5	MISO	PB4/SPI3_MISO
6	MOSI	PB5/SPI3_MOSI
7	IQR	PC15/SPI_IQR

SPI

[illegible]

P26

RX 3

5V 2

GND 1

D-BUS

R3 7k

5V_P

GND

3V3

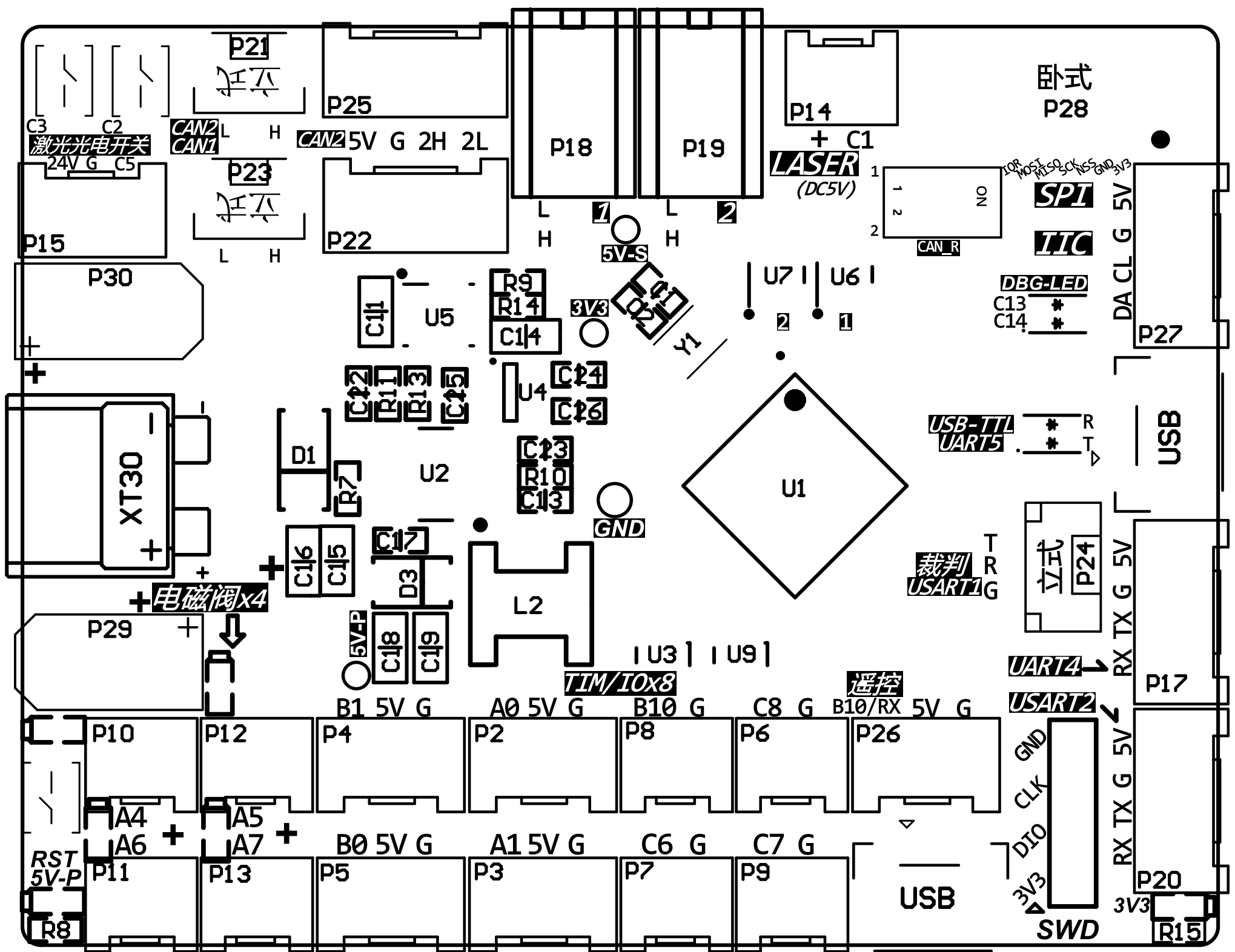
R24 1k

PB11/USART3_RX/REMOTE

Q6 8050

GND

Title			
Size A4	Number		Revision
Date:	2018/12/6	Sheet	of
File:	H:\learning\...\STM32F10RBT6通用开发板硬件接口.SchDoc		



A2 A3

C11 C10

B7 B6

[R23]
[R22] U10 [R25]

[C12]
[D2] [Q2]

[R1]
[R2]

[R30] [Q6] [D24]

• RP4 • RP1

[Q8]
[Q30]

SPI - B3
SCK - B4
MISO - B5
MOSI - A15
NSS - C15
IQR - C15
CAN1
RX - B8
TX - B9
CAN2
RX - B12
TX - B13
USB
DM - A11
DP - A12
IIC
SCL - B6
SDA - B7

[Q9]
[C31]

[R4]
[C10] [Q4]

[C18]

[Q3]
[R3] [Q5] [Q6]

[Q7]

USART1/裁判
RX - A10
TX - A9
USART2
RX - A3
TX - A2
USART3/Remote
RX - B10
UART4
RX - C11
TX - C10
UART5/USB-TTL
RX - D2
TX - C12



[R22]
[R21]

[Q5]

[R20] [R19]

[R33]
[R34] [R35]

[R36]
[R35]

U8

[C11]
[R27] [R29] [R28]

[D9]

[C10]
[C19]

[R18] [D6] [Q4] [Q3] [R17] [D5]

[D4] [Q2] [Q1] [D2] [R12]
[R16] RP3

激光光电开关
PWR_Ctrl - C4
Signal_IN - C5

[R31] [R32] [R33]

[Q7]

HUST-RM 通用开发板typeB V1.0