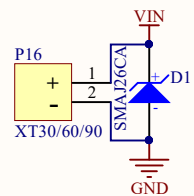
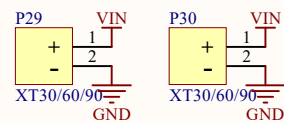


Title		
Size	Number	Revision
A4		
Date:	2018/12/6	Sheet of
File:	H:\learning\STM32F105RBT6通用开发板\STM32F105RBT6通用开发板.schdoc	

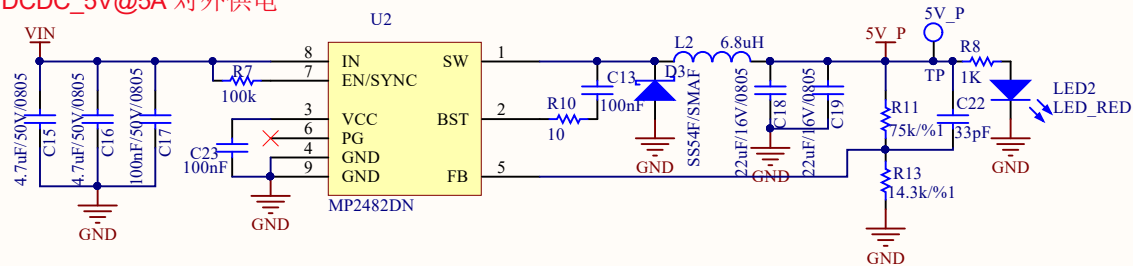
PWR_IN



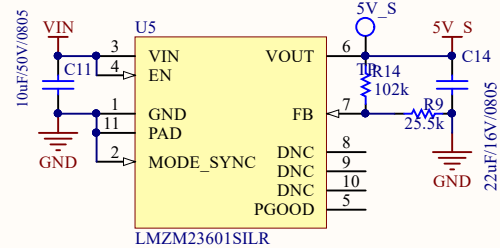
PWR_OUT



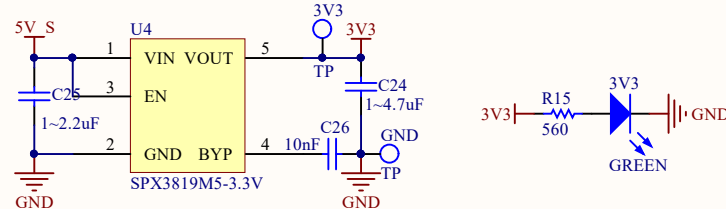
DCDC_5V@5A 对外供电



DCDC_5V@1A 板内供电

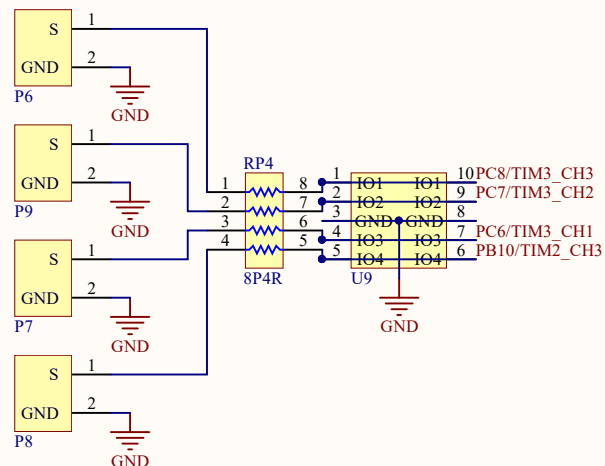


LDO_3V3



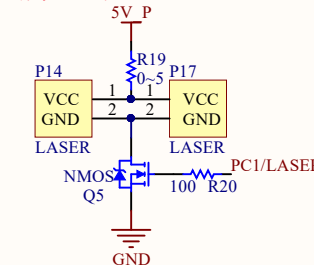
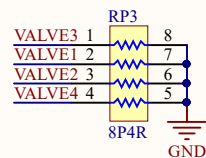
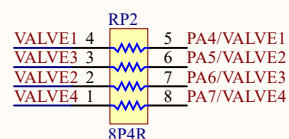
Title		
Size	Number	Revision
A4		
Date:	2018/12/6	Sheet of
File:	H:\learning\STM32F103BT6通用开发板电源	SchDoc

MCU: STM32F105

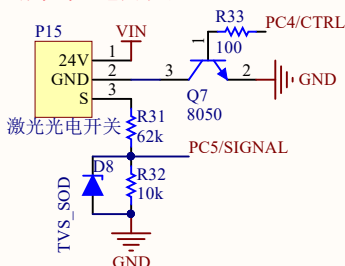


外设		数量	具体说明
GPIO	LED	2	双色LED
	按键	2	外部输入
	插座	8	HY2.0插座, 可输出PWM
	电磁阀	4	24V供电
	激光	1	瞄准用激光
CAN		2	两路CAN通信
IIC		1	用于模块通信, 可供电
SPI		1	用于模块通信, 可供电
USB		1	用于PC通信
UART	普通UART	3	用于一般串口通信
	遥控器	1	用于遥控器D-Bus
	转USB	1	调试用, 直接连接USB

激光瞄准器



激光光电开关



	Title
--	-------

	Size
--	------

Number

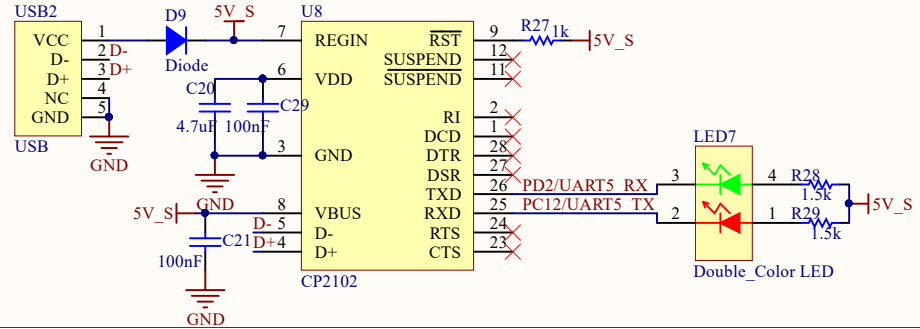
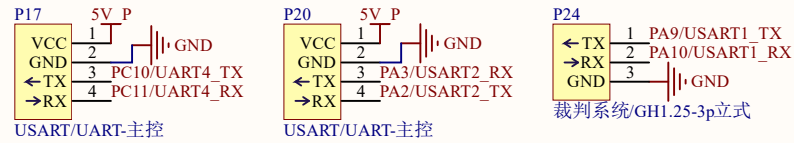
Revision

Date:	2018/12/6
-------	-----------

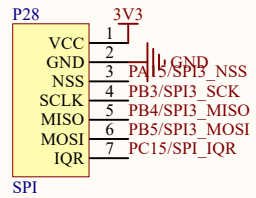
Sheet	of
-------	----

File: H:\learning\..\STM32F10RBT6通用开发板-普通接口.SchDoc

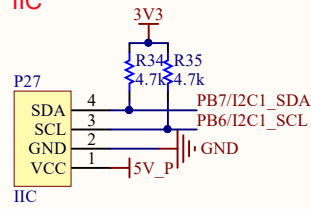
USART/UART



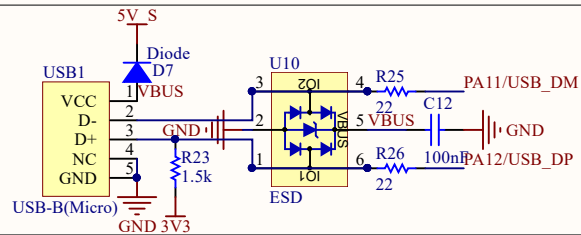
SPI



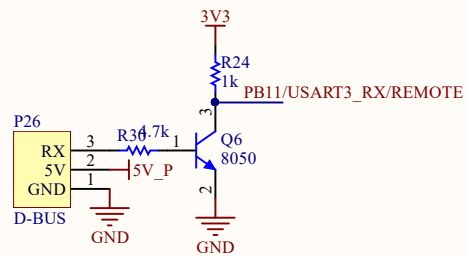
IIC



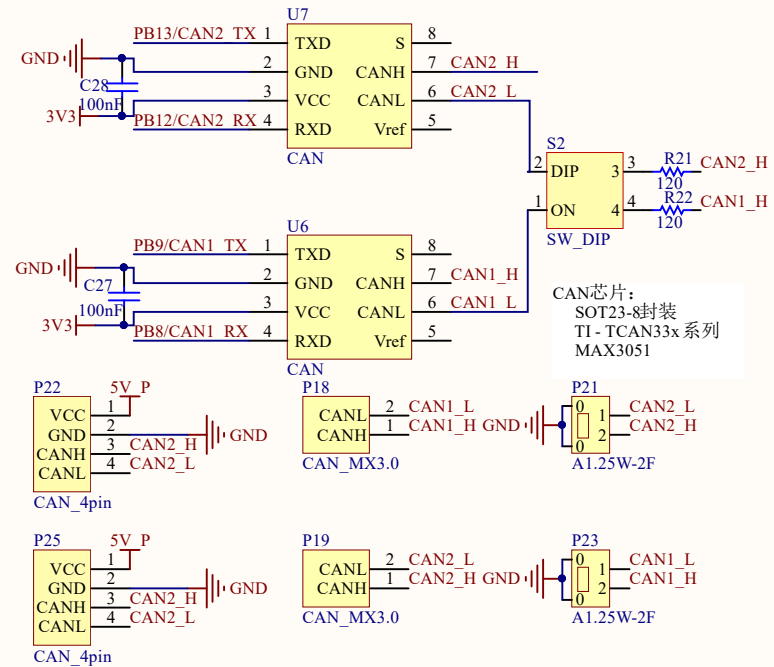
USB



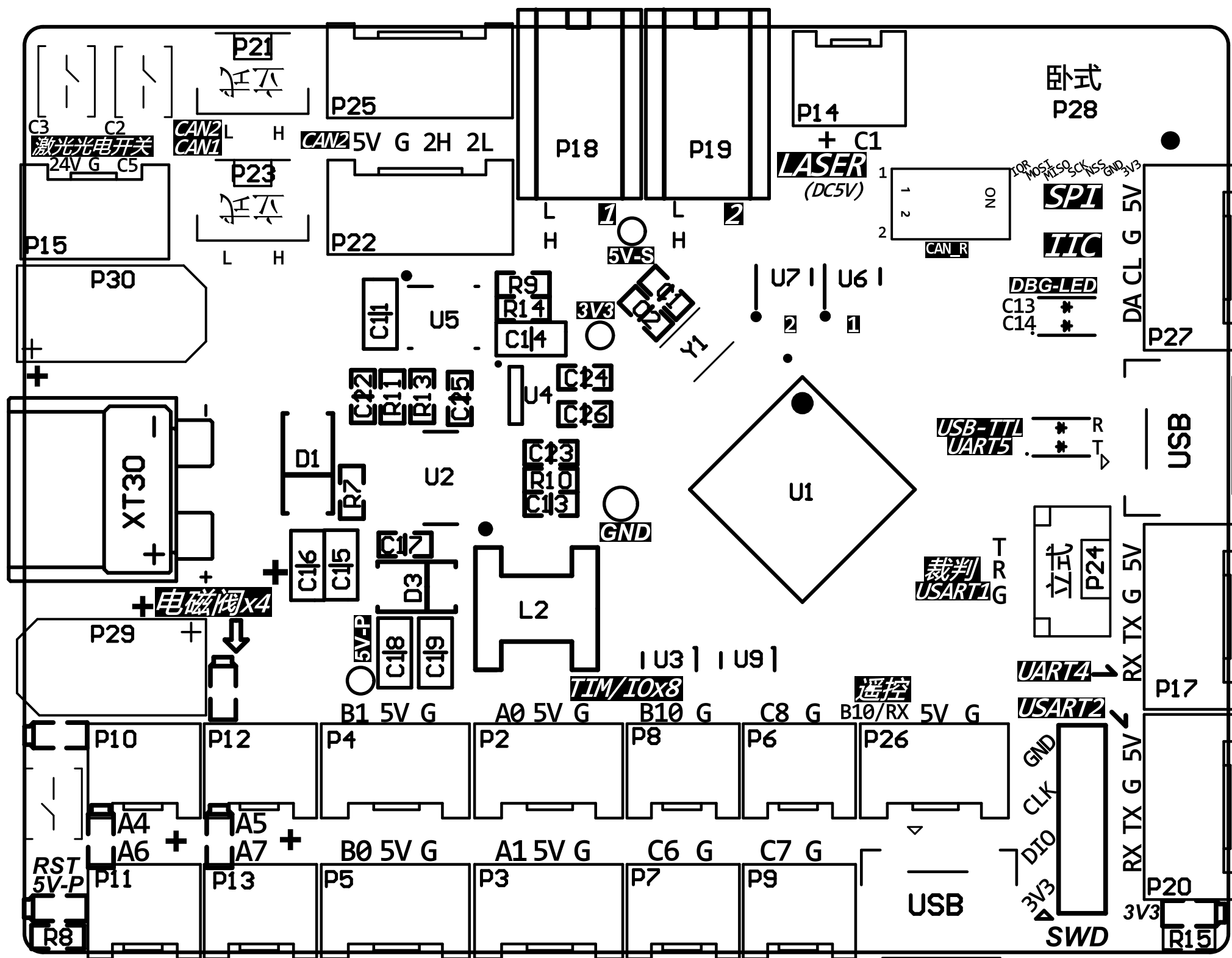
DBUS



CAN



Title			
Size	Number	Revision	
A4			
Date:	2018/12/6	Sheet of	
File:	H:\learning\STM32F10RBT6通用开发板通信接口.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 - B5
NSS - A15
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]

[C10]
[C19] [R33]
[R34] [R35]
[C11]
[R27]
[R29]
[R28] U8 [R36]
[R35]

[R18] [D6] [R17] [Q4] [Q3]
[D5] [R15]

[D4] [Q2] [Q1] [D2] [R12]
[R16] RP3 • [R10]

激光光电开关
PWR_Ctrl - C4
Signal_IN - C5

[R31] [R32] [R33]
[D8] [Q1]

HUST-RM 通用开发板typeB V1.0