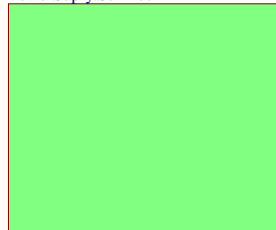


PowerSupply
PowerSupply.SchDoc



SPIbus
SPIbus.SchDoc

AD2
AD1
RST
SHR_STR
SPI_CS1
SPI_MISO
SPI_MOSI
SPI_SCK

H-Bridge
H-Bridge.SchDoc

HB_INB
HB_INA
HB_CS
HB_SEL0
HB_PWM

I2Cbus
I2Cbus.SchDoc

HB_INA
HB_INB
ENC_SW
RIGHT
LEFT
DOWN
UP
INT_AG
INT_PE
INT_OS
SCL
SDA

Inputs
Inputs.SchDoc

UP
DOWN
LEFT
RIGHT
ENC_SW
ENC_A
ENC_B
RESET

LightSensor
LightSensor.SchDoc

L_SENSOR

CurrentSensor
CurrentSensor.SchDoc

C_SENSOR

Nucleo
Nucleo.SchDoc

AD2
AD1
SHR_STR
SPI_CS1
SPI_MISO
SPI_MOSI
SPI_SCK

HB_CS
HB_SEL0
HB_PWM

INT_AG
INT_PE
INT_OS
SCL
SDA

ENC_A
ENC_B

RESET

L_SENSOR

C_SENSOR

+3.3V
R53
10k


Wireless
Wireless.SchDoc

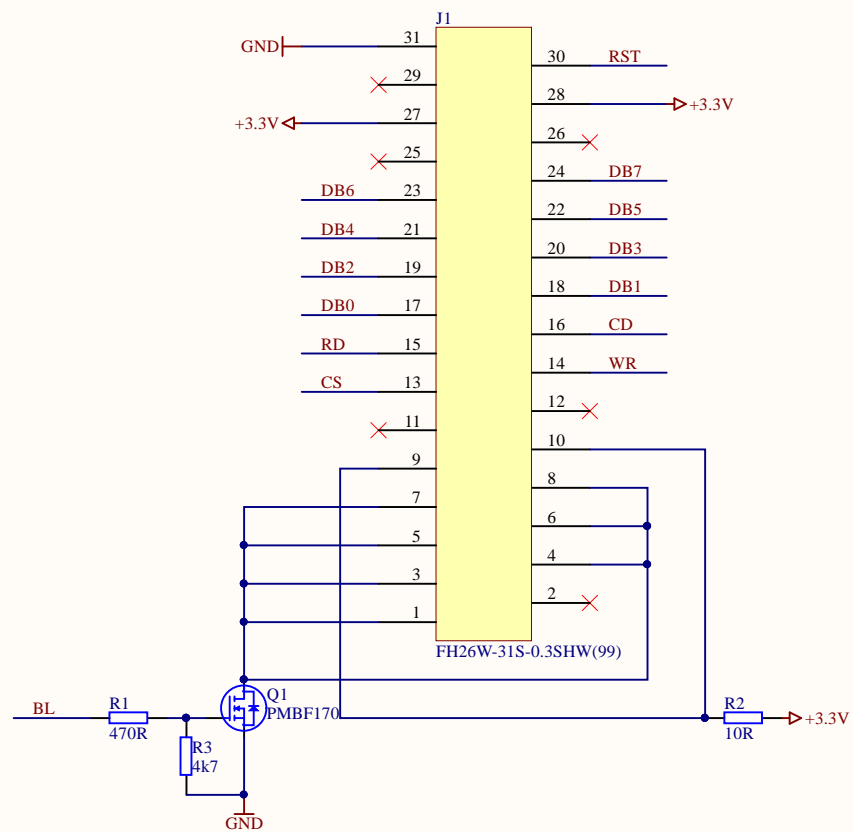
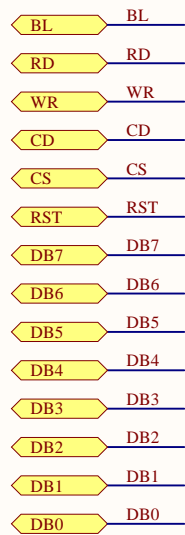
RST
TXS
RXS

Display
Display.SchDoc

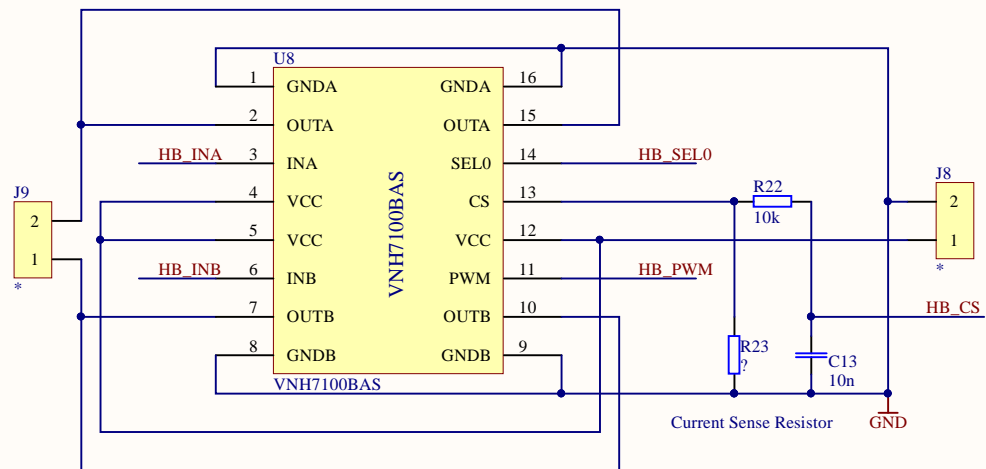
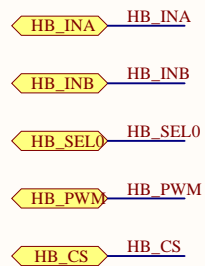
BL
RD
WR
CD
CS
RST
DB7
DB6
DB5
DB4
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DB2
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BL
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CS
RST
DB7
DB6
DB5
DB4
DB3
DB2
DB1
DB0

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Size: A4	Number:1	Revision:	
Date: 2019.08.11.	Time: 12:31:06	Sheet1 of 2	
File: D:\PCB\ALTIUM\S6D01D4NucleoExtensionBoard\S6D01D4NucleoExtensionBoard.SchDoc			



Title			
Size	Number		Revision
A4			
Date:	2019. 08. 11.		Sheet of
File:	D:\PCB\...\Display.SchDoc		Drawn By:



Title		
Size	Number	Revision
A4		
Date:	2019. 08. 11.	Sheet of
File:	D:\PCB\...\H-Bridge.SchDoc	Drawn By:

A

B

C

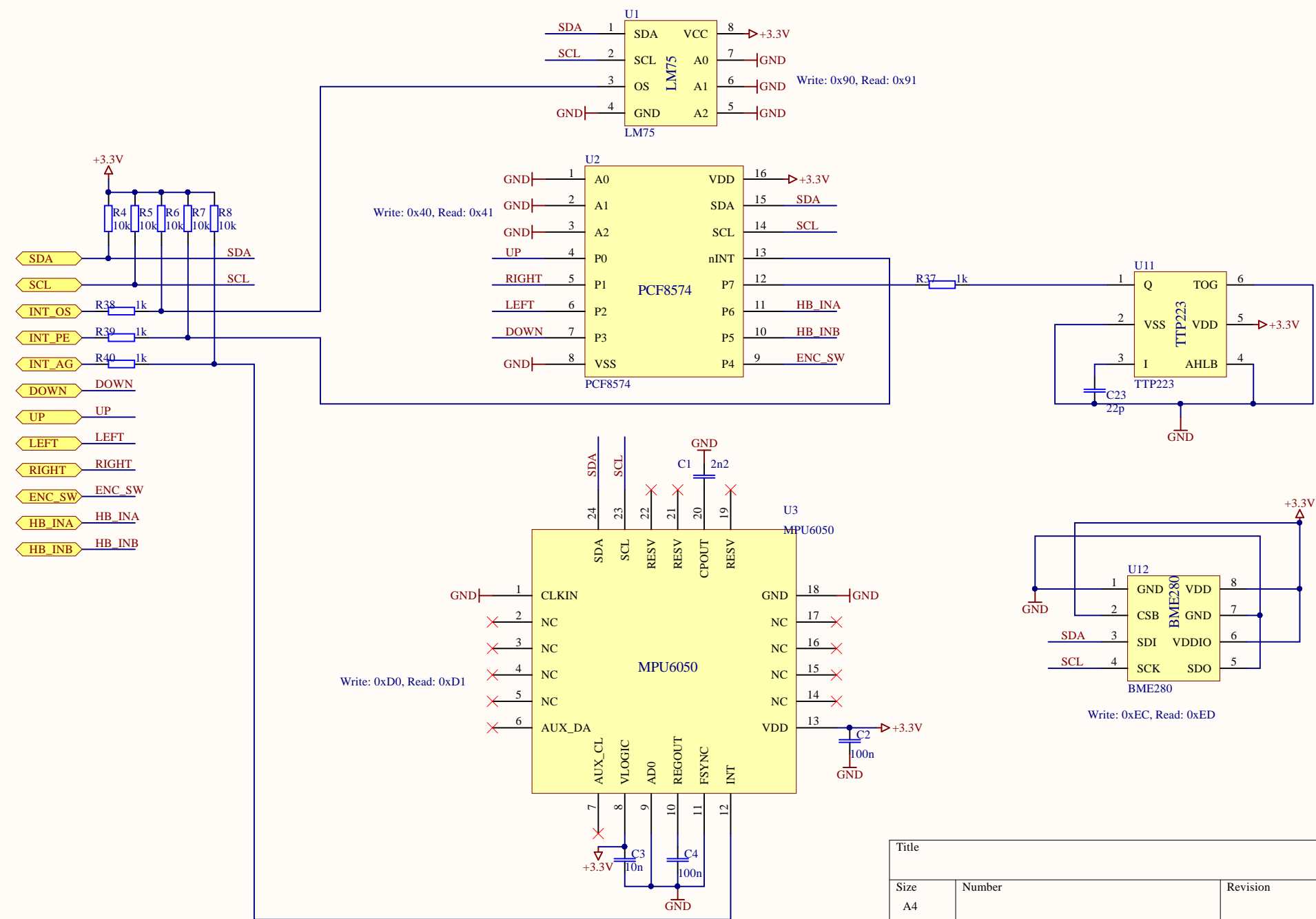
D

A

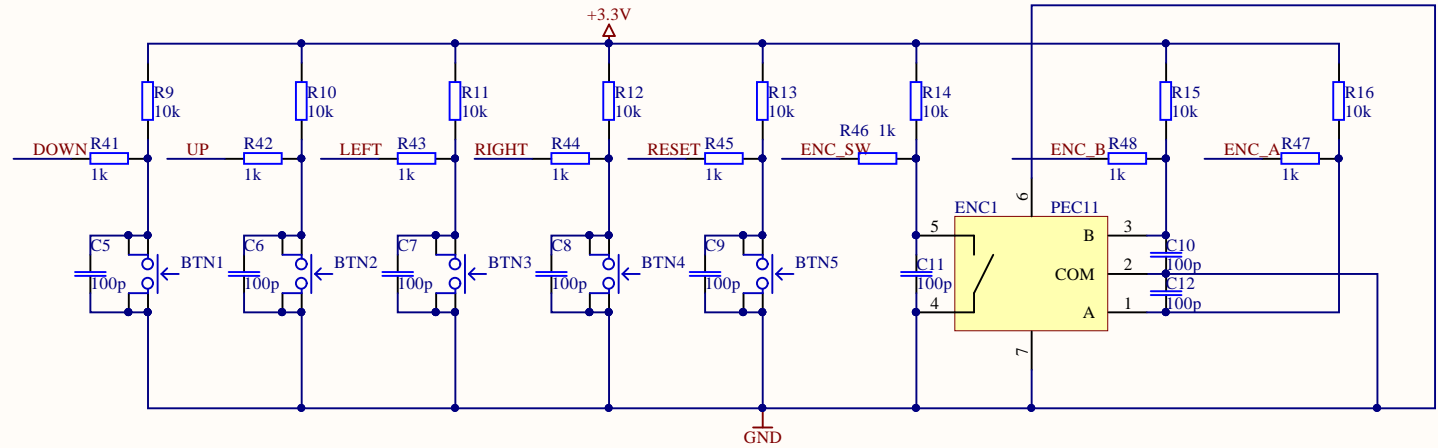
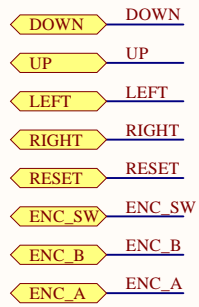
B

C

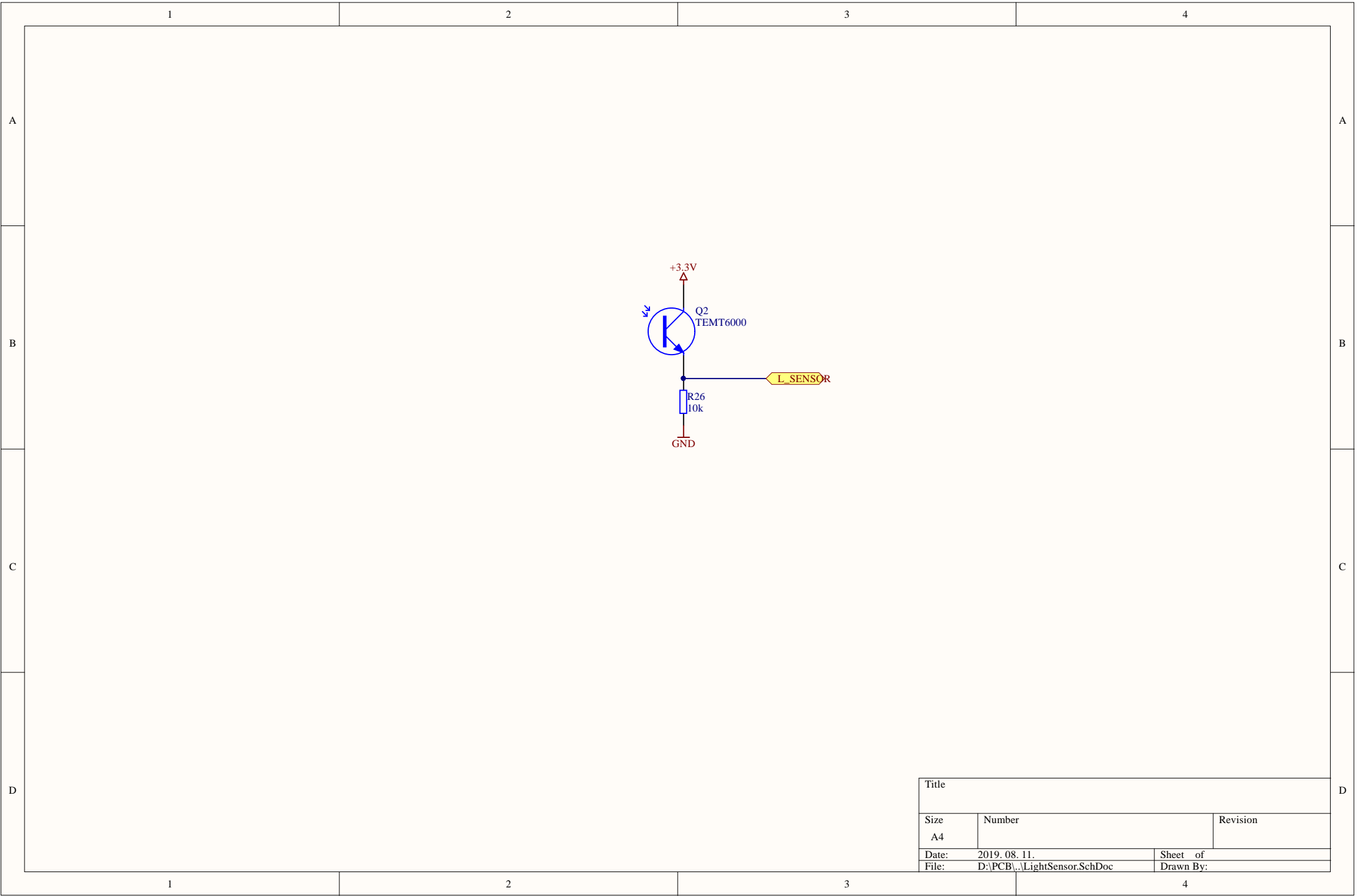
D



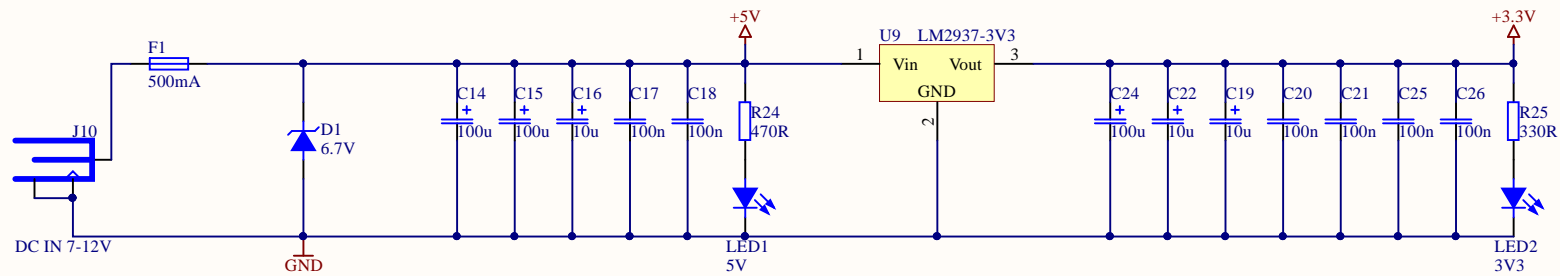
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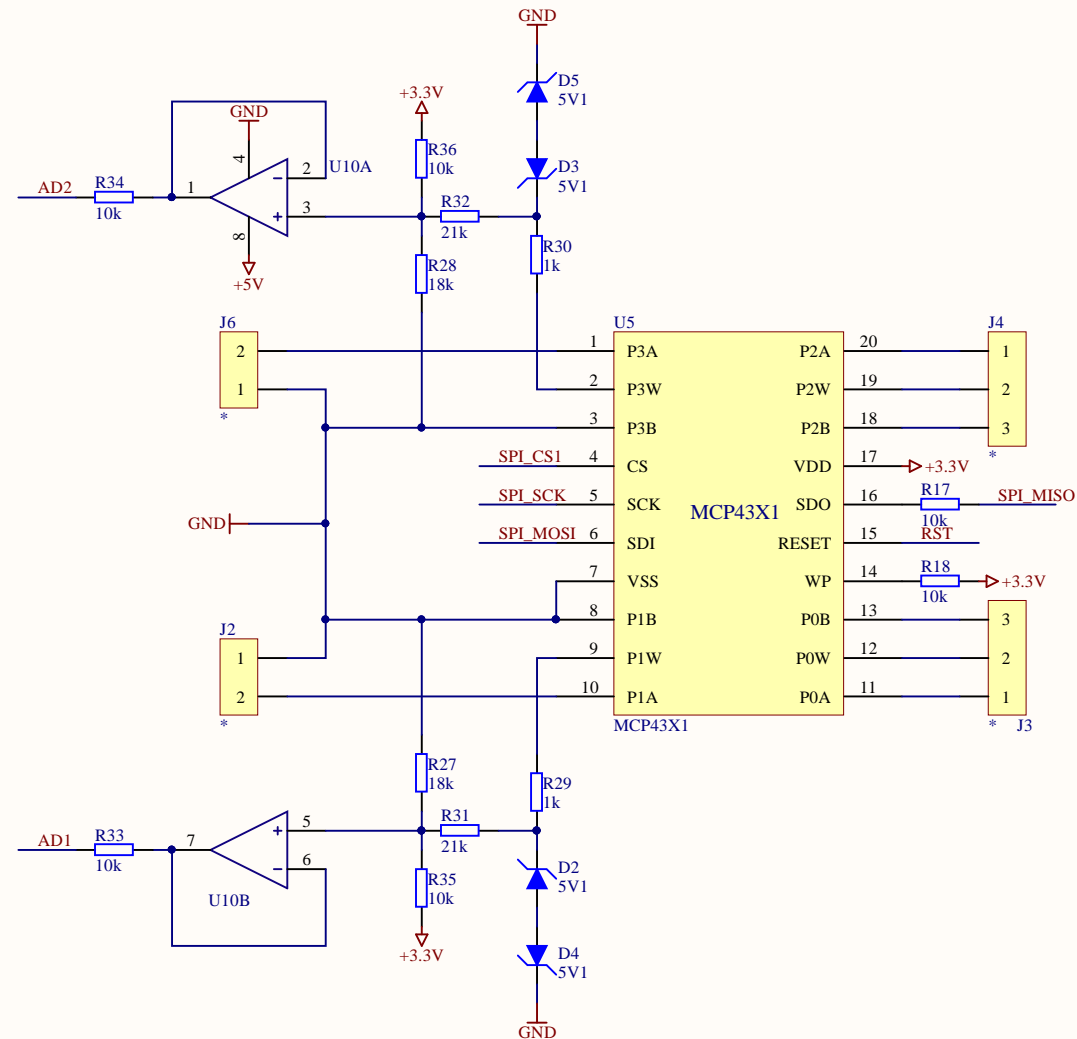
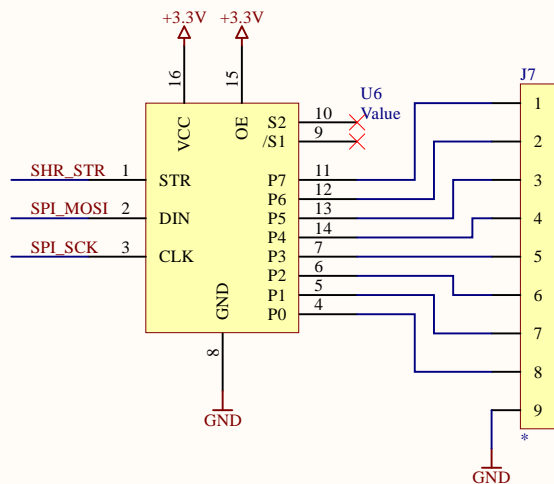
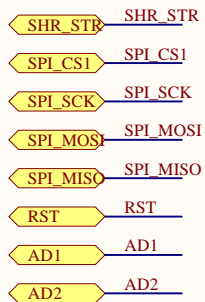
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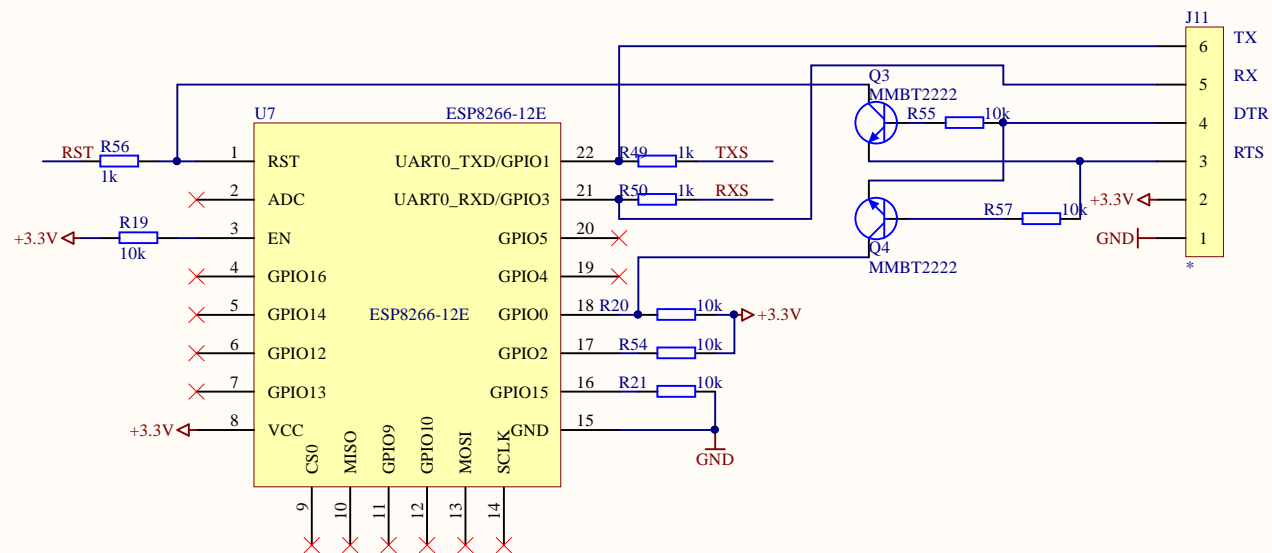
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Title		
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Date:	2019. 08. 11.	Sheet of
File:	D:\PCB\...\PowerSupply.SchDoc	Drawn By:



Title		
Size	Number	Revision
A4		
Date:	2019.08.11.	Sheet of
File:	D:\PCB\...\SPIbus.SchDoc	Drawn By:



Title		
Size	Number	Revision
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Date:	2019.08.11.	Sheet of
File:	D:\PCB\Wireless.SchDoc	Drawn By:

Designation	Name	VALUE	Description
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BT622			http://www.farnell.com/datasheets/2756291.pdf
BT623			http://www.farnell.com/datasheets/2756291.pdf
BT624			http://www.farnell.com/datasheets/2756291.pdf
BT625			http://www.farnell.com/datasheets/2756291.pdf
C1	2n2		
C2	100n		
C3	100n		
C4	100n		
C5	100p		
C6	100p		
C7	100p		
C8	100p		
C9	100p		
C10	100p		
C11	100p		
C12	100p		
C13	100n		
C14	100u		
C16	100u		
C18	10u		
C17	100n		
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C19	10u		
C20	100n		
C21	100n		
C22	10u		
C23	22p		
C24	100u		
C25	100n		
C26	100n		
C27	1n		
C28	1k 7V		
C29			
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