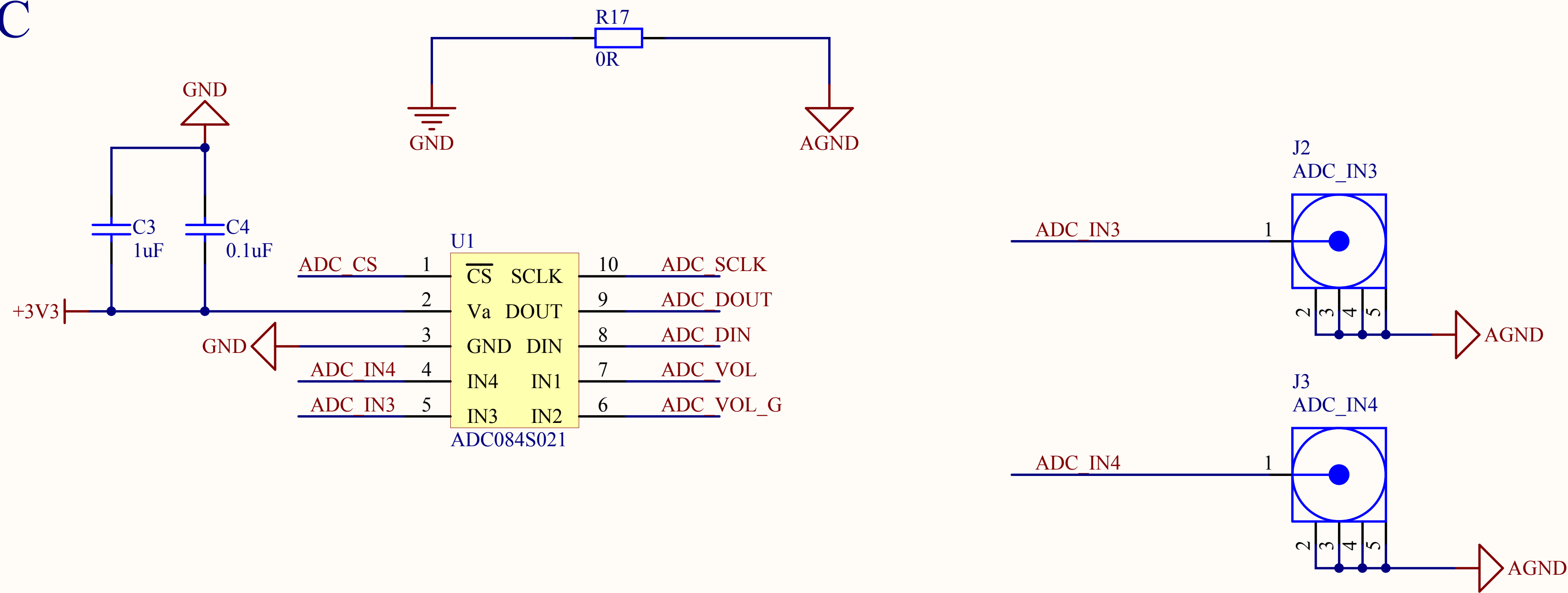
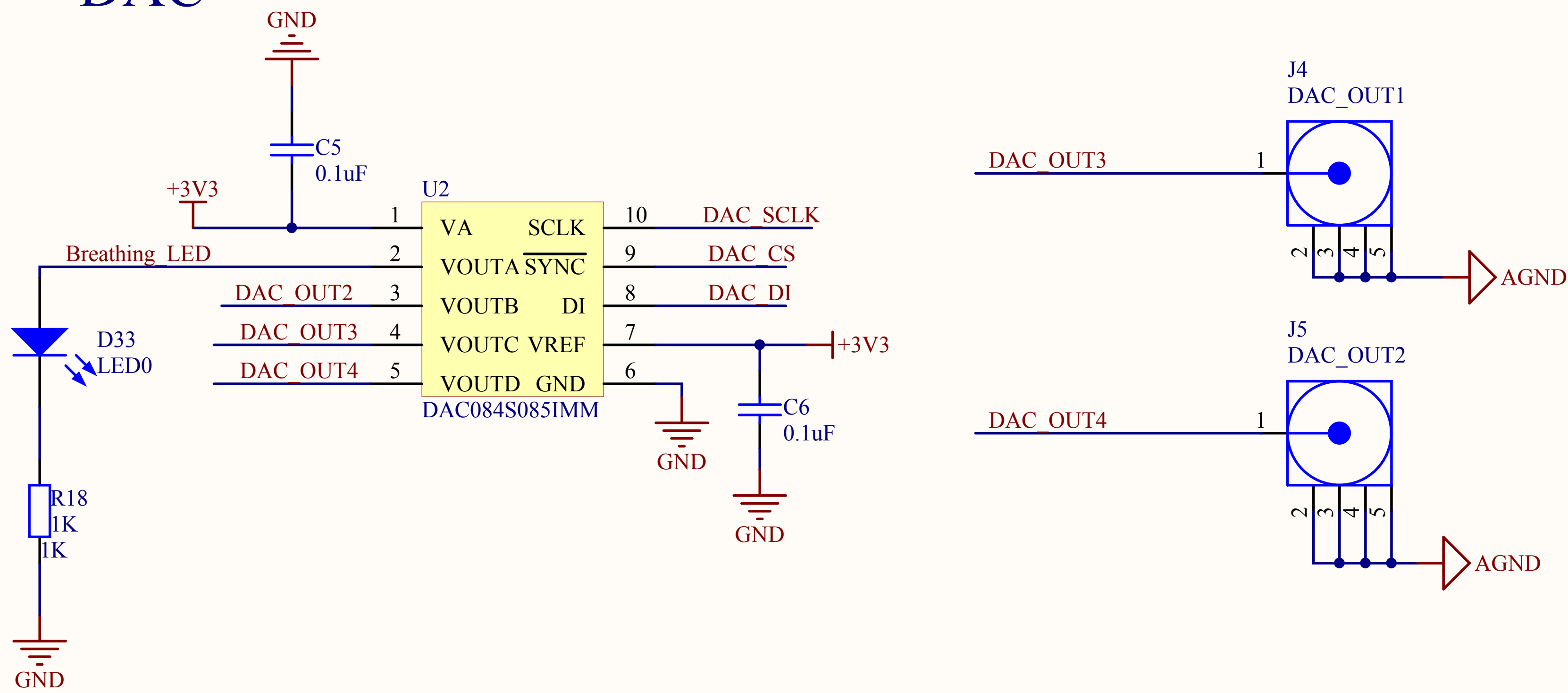


ADC

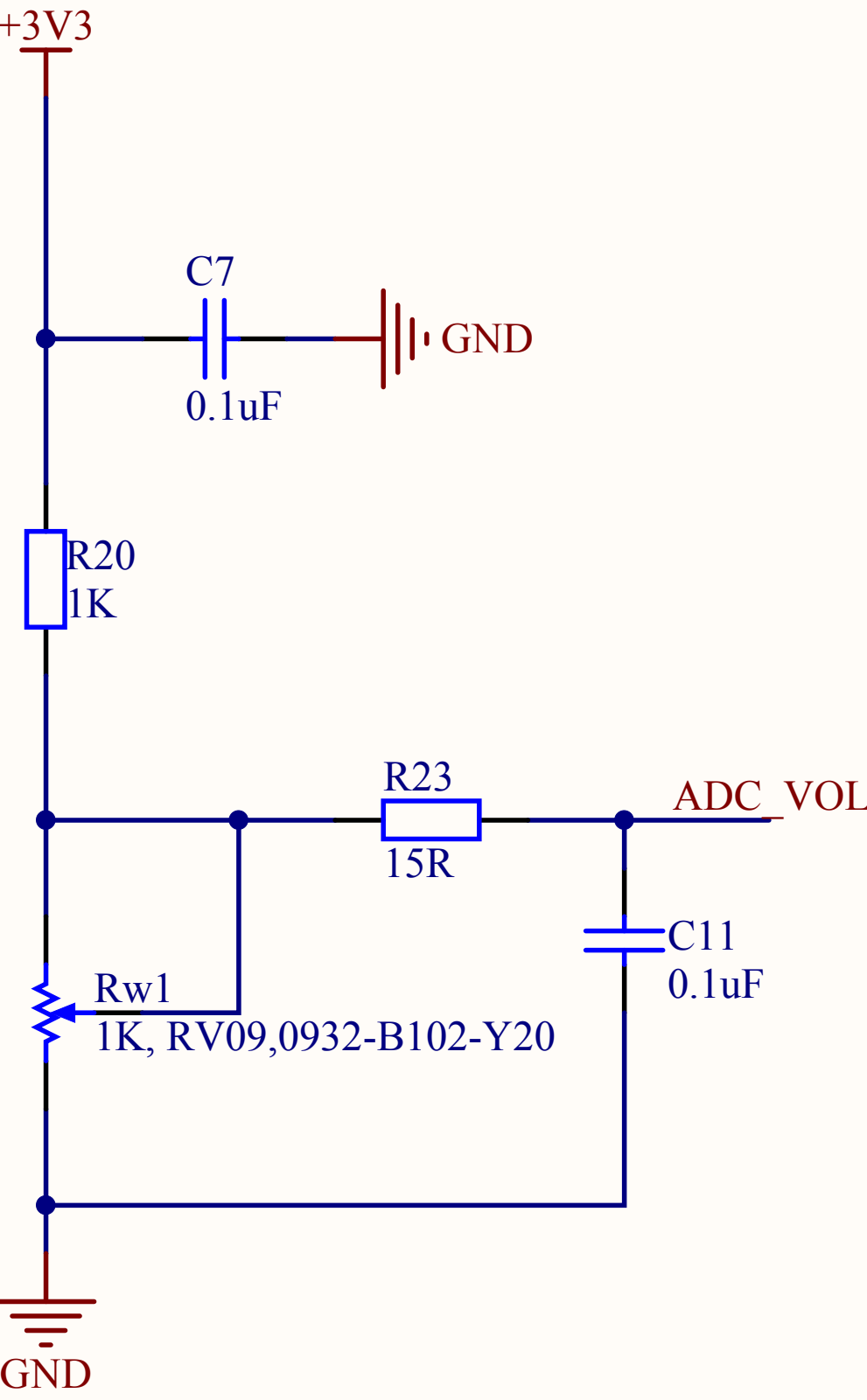


DAC

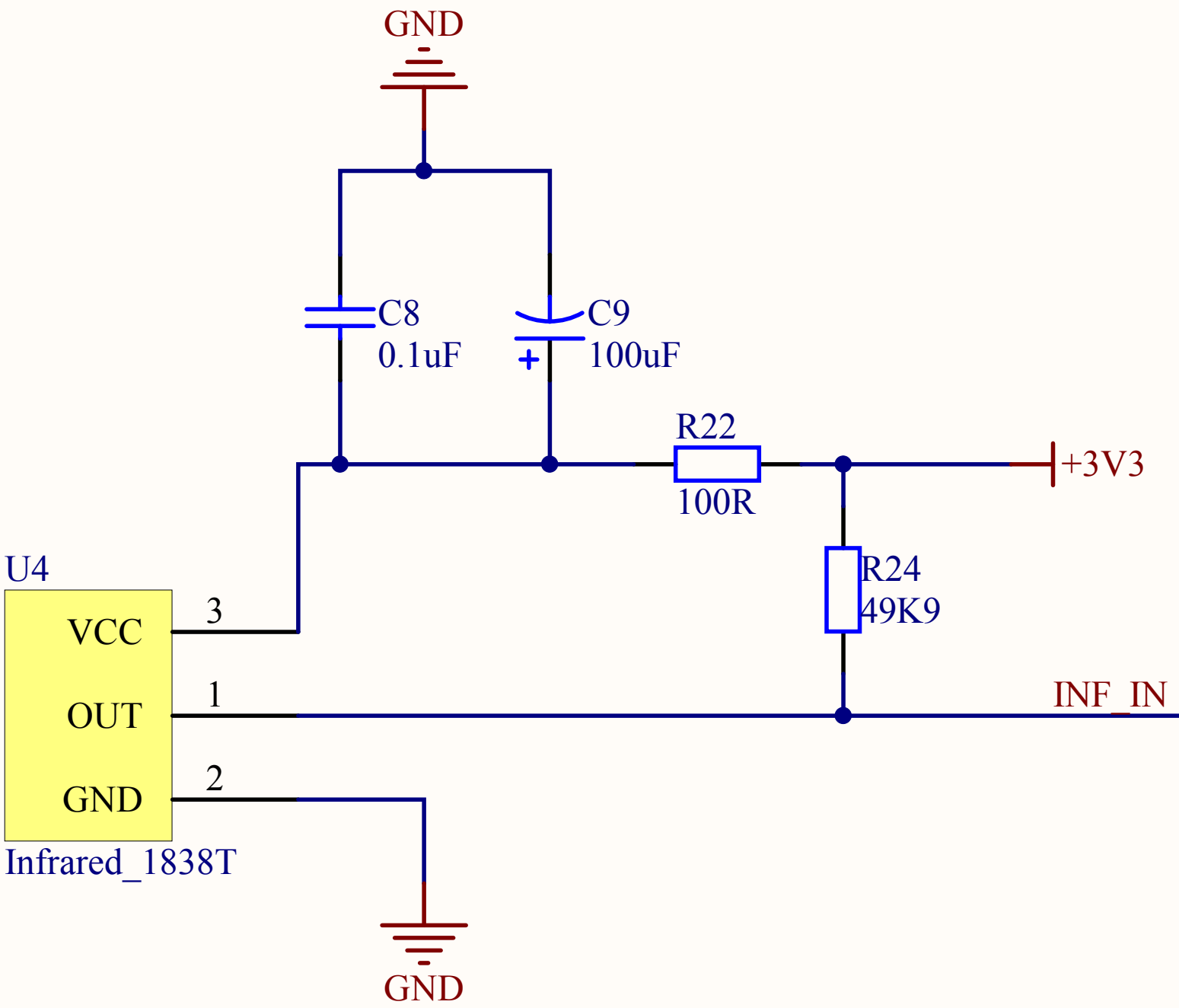


Title		
Size	Number	Revision
A4		
Date:	2017/1/11	Sheet of
File:	F:\allboards\...\AD&DA.SchDoc	Drawn By:

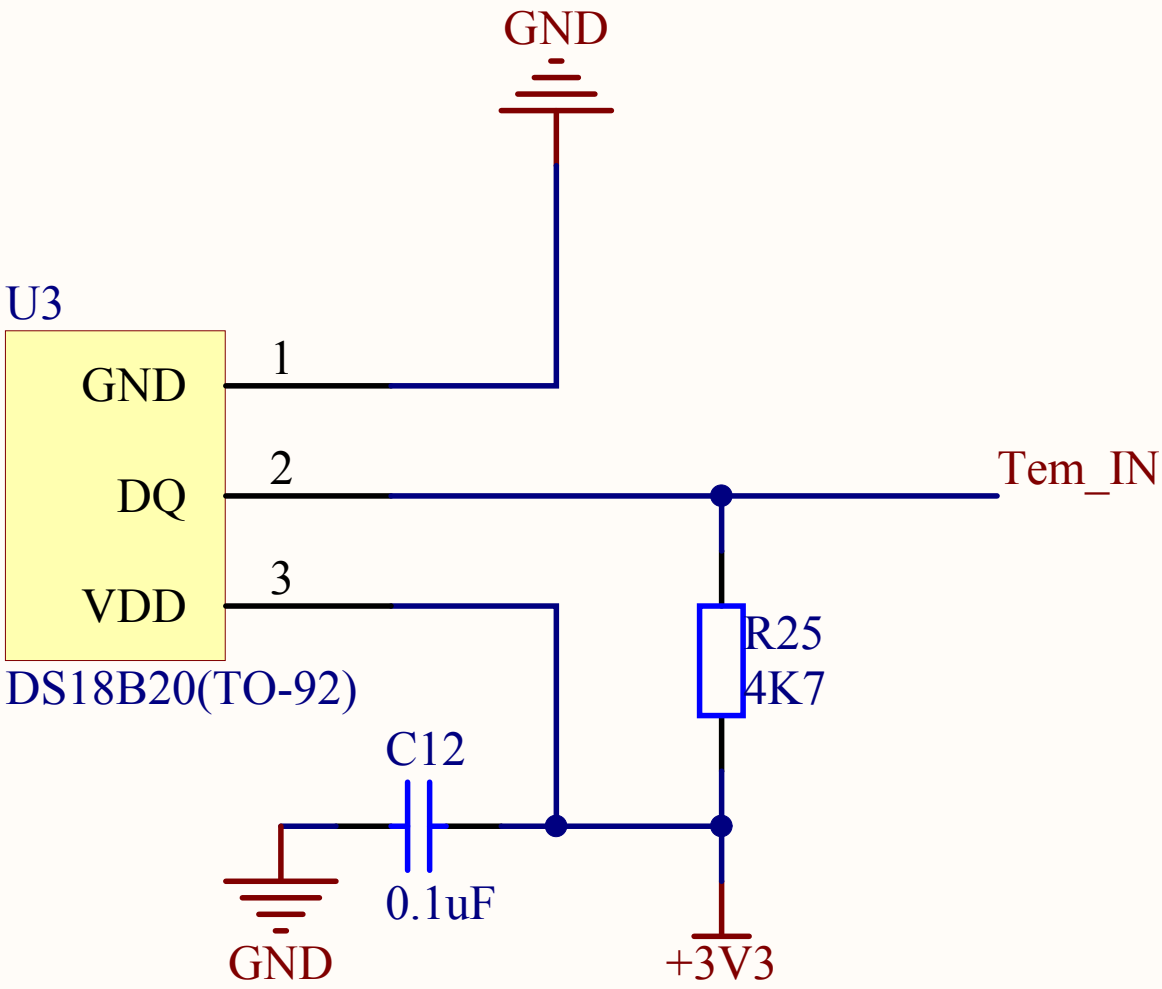
电压采集



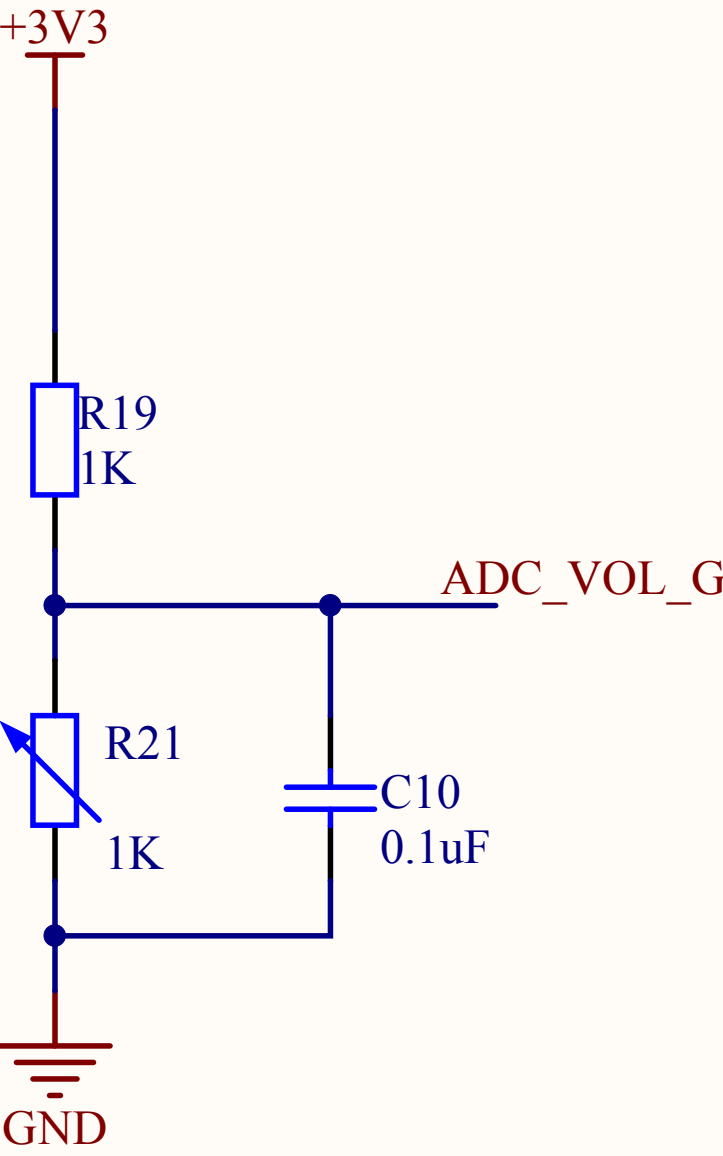
红外接收



数字温度采集

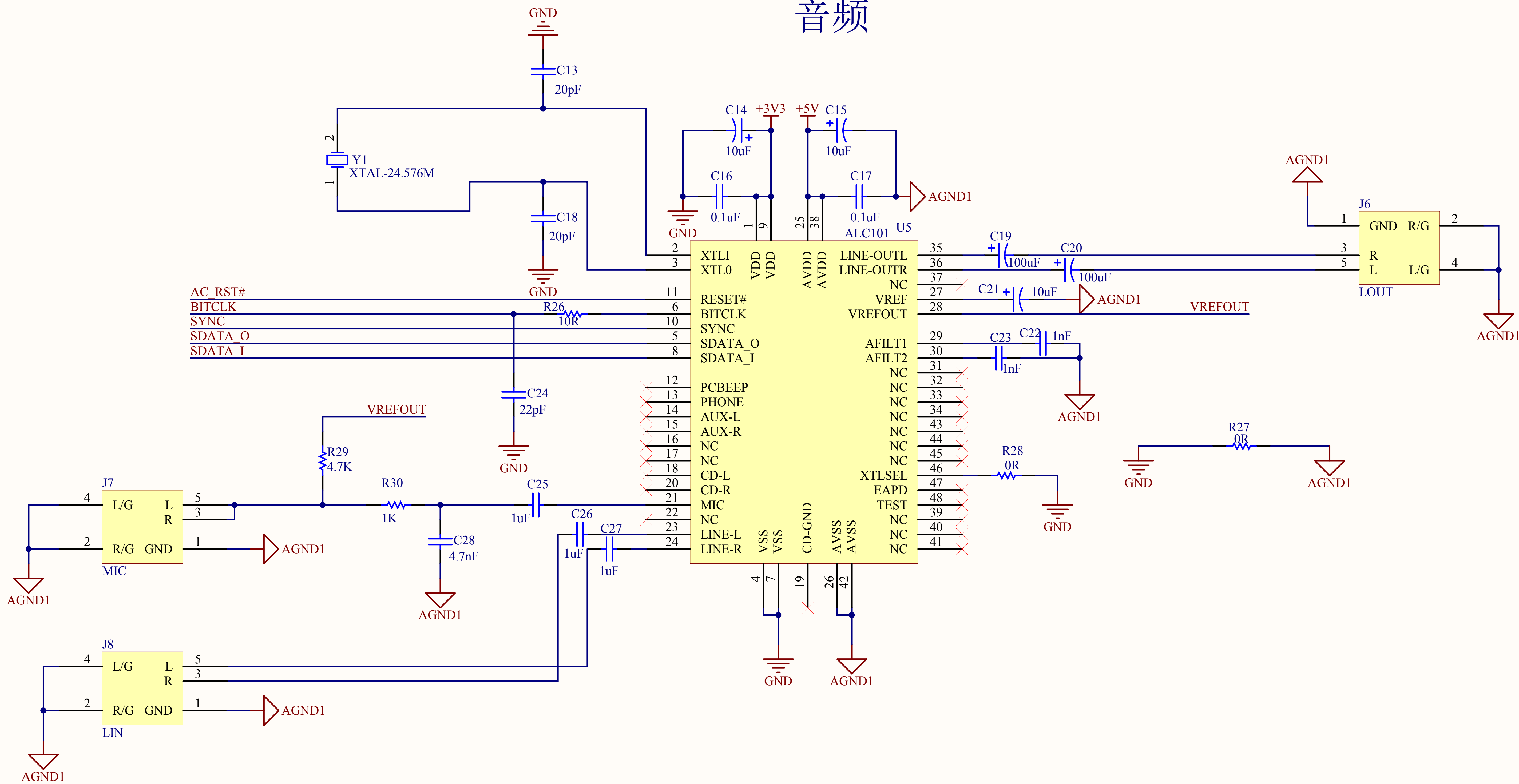


光敏电阻采集



Title			
Size	Number		Revision
A4			
Date:	2017/1/11		Sheet of
File:	F:\allboards\...\AD .SchDoc		Drawn By:

音频

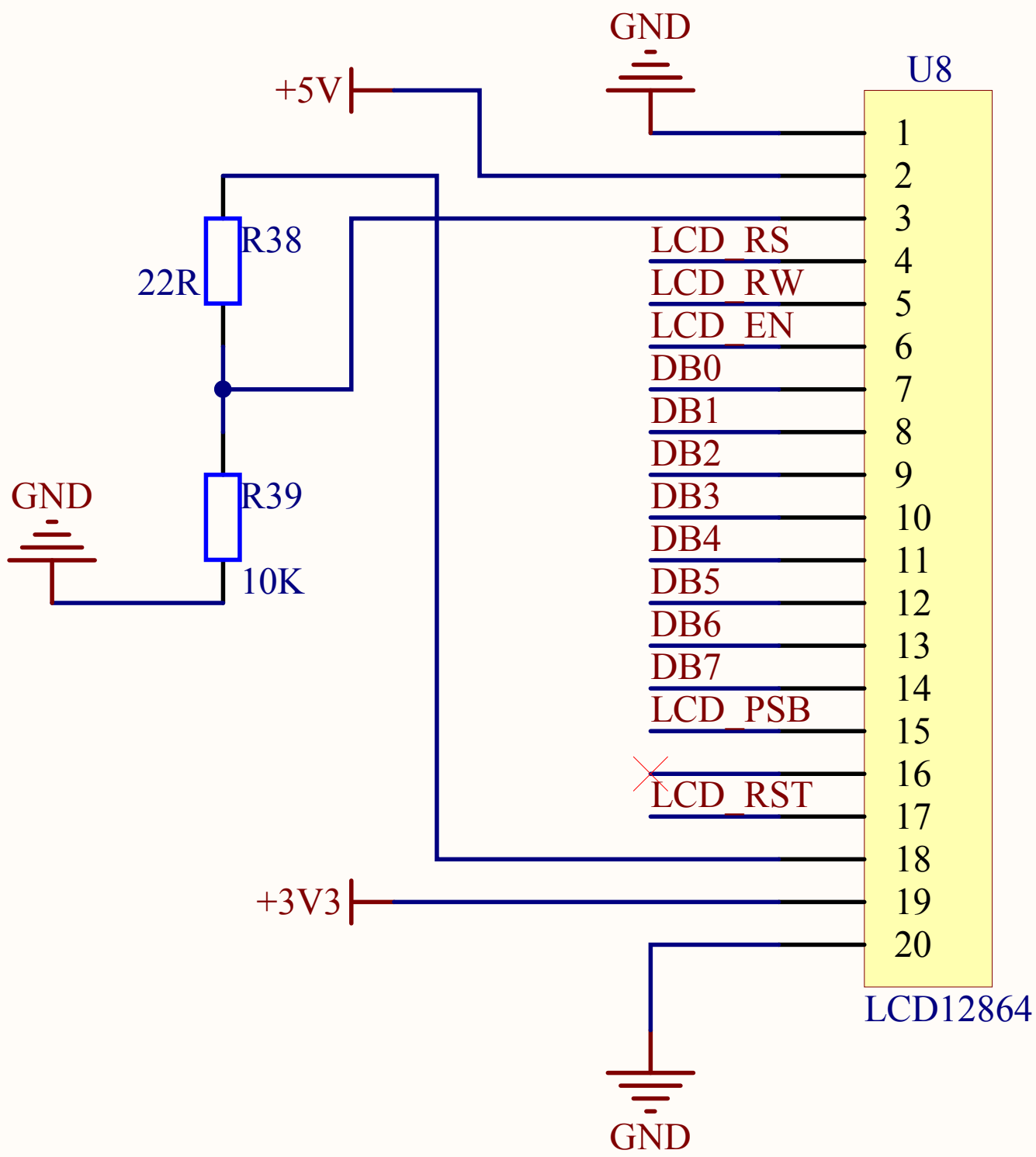


IO<5>
Input: 2
Output: 3
InOut: 0

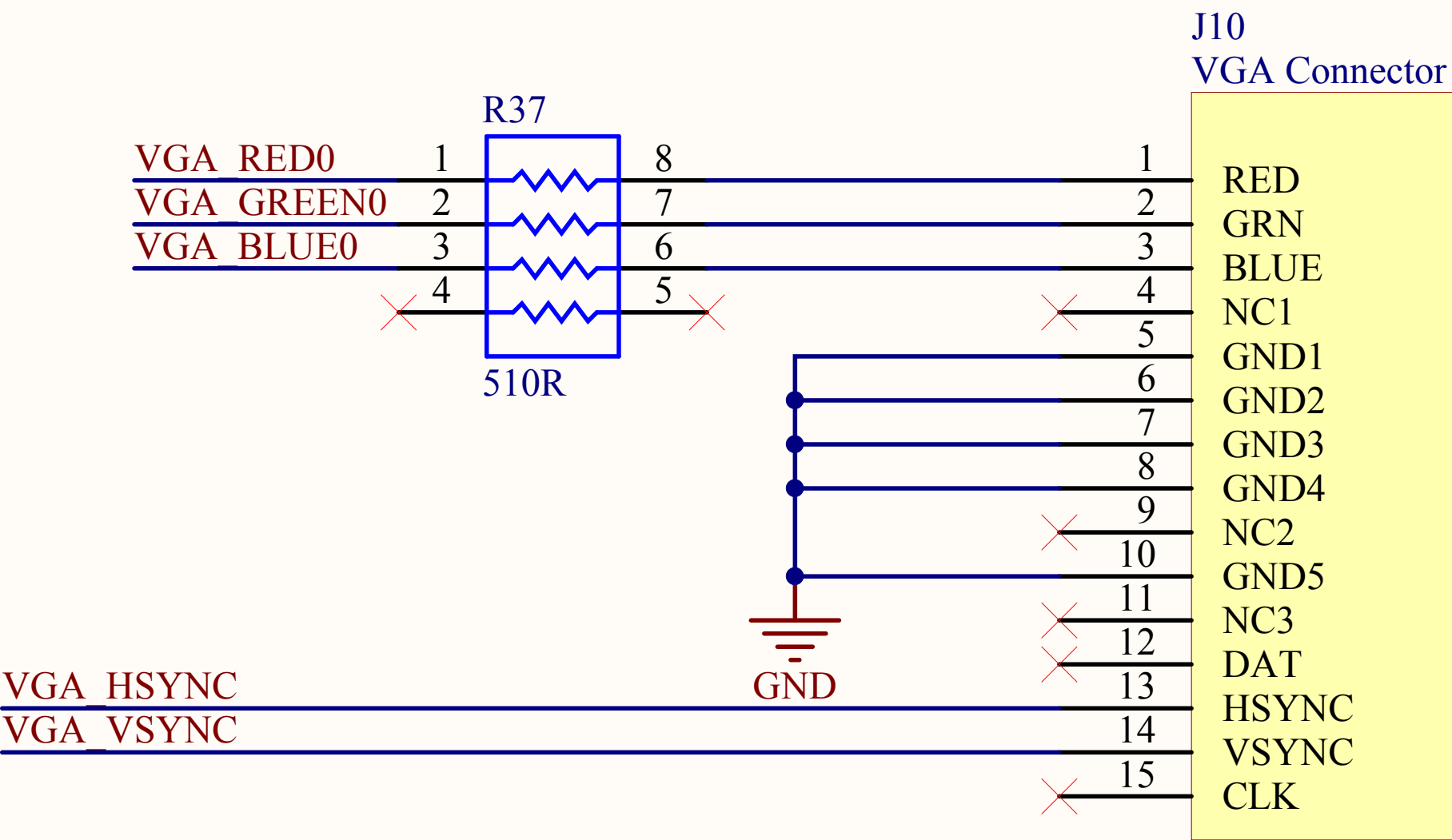
POWER
+3.3V

Title		
Size	Number	Revision
A4		
Date:	2017/1/11	Sheet of
File:	F:\allboards\...\AUDIO.SchDoc	Drawn By:

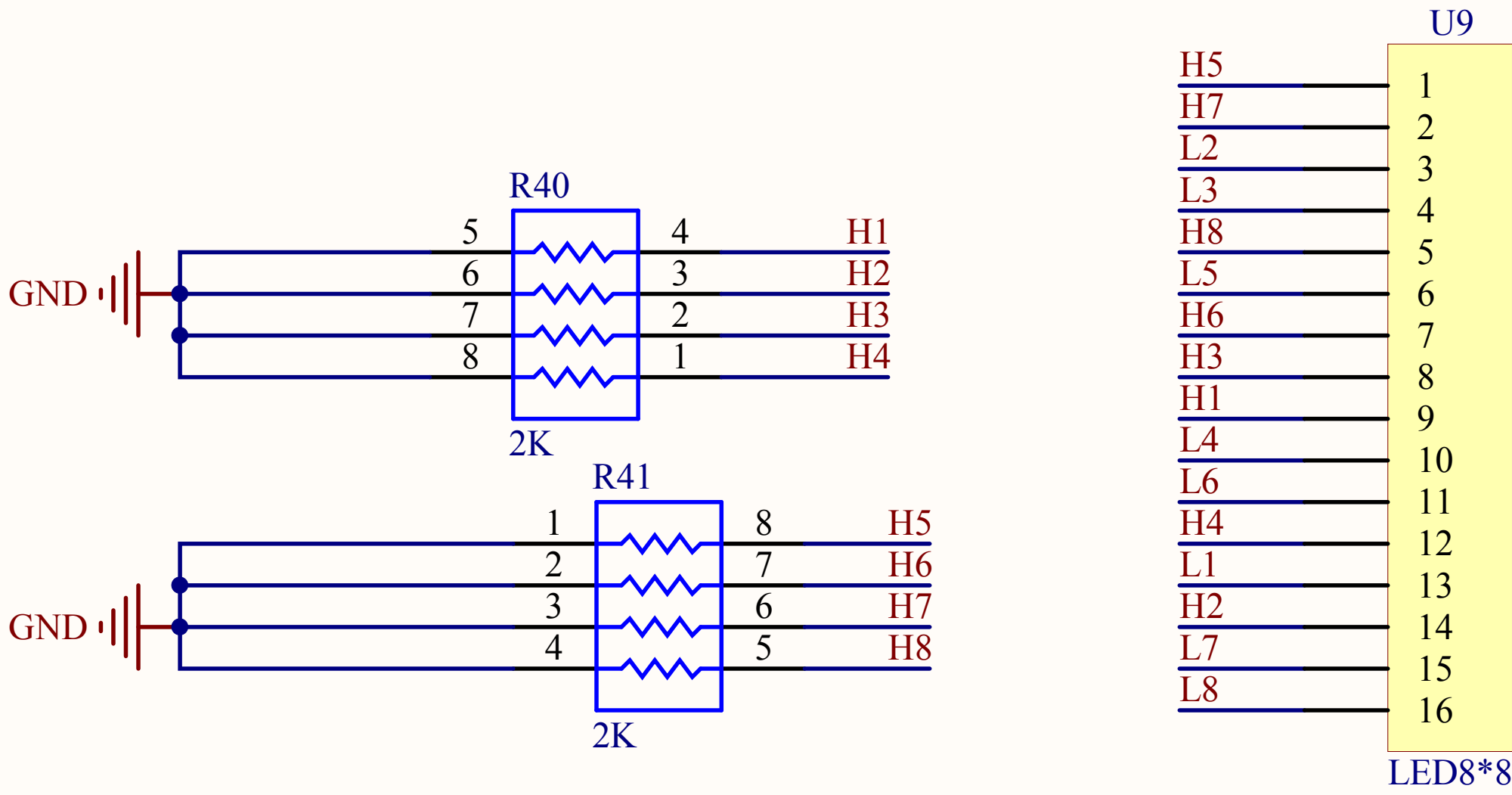
128*64



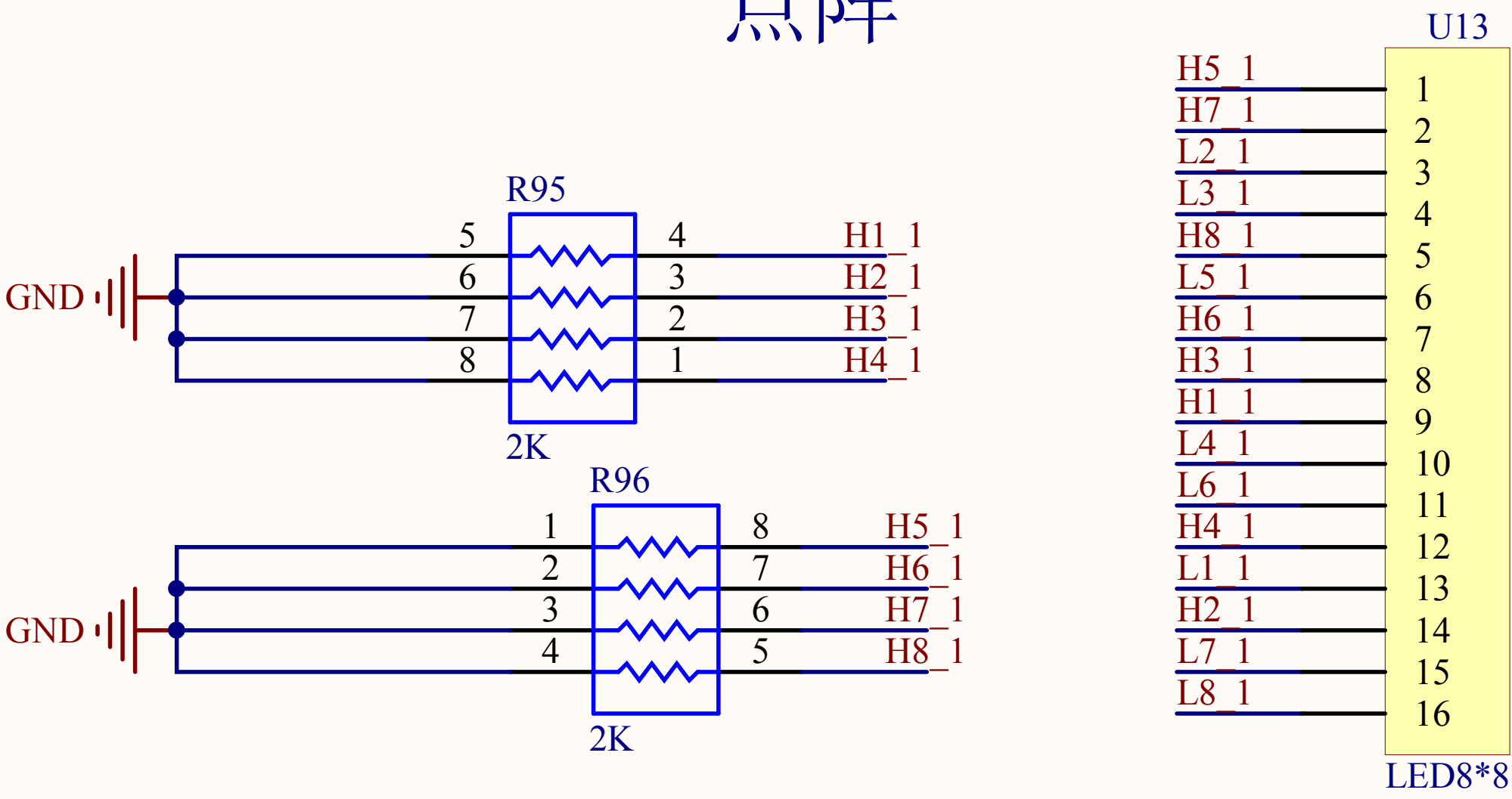
VGA



点阵



点阵



Title		
Size	Number	Revision
A4		
Date:	2017/1/11	Sheet of
File:	F:\allboards\...\display.SchDoc	Drawn By:

A

B

C

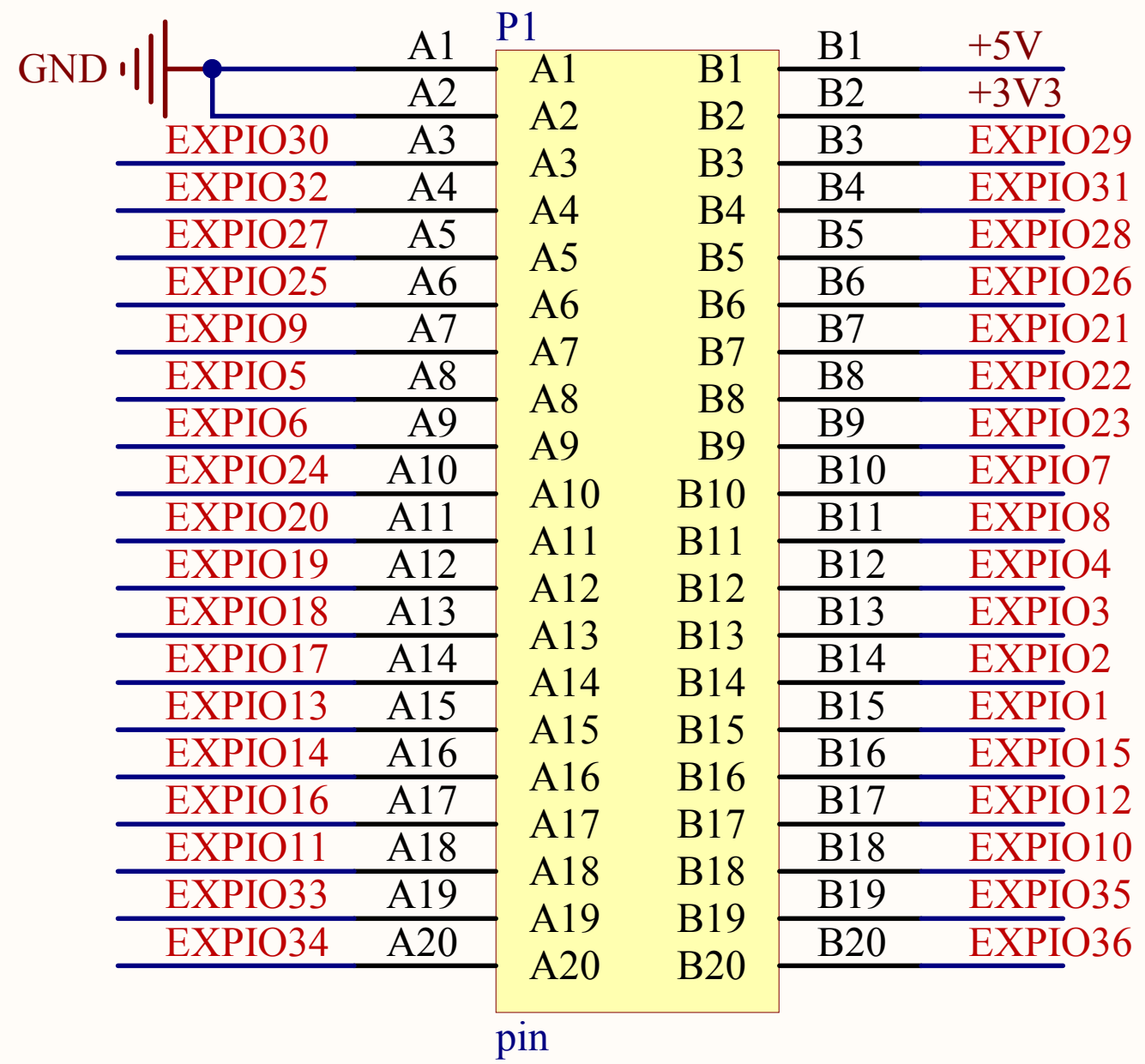
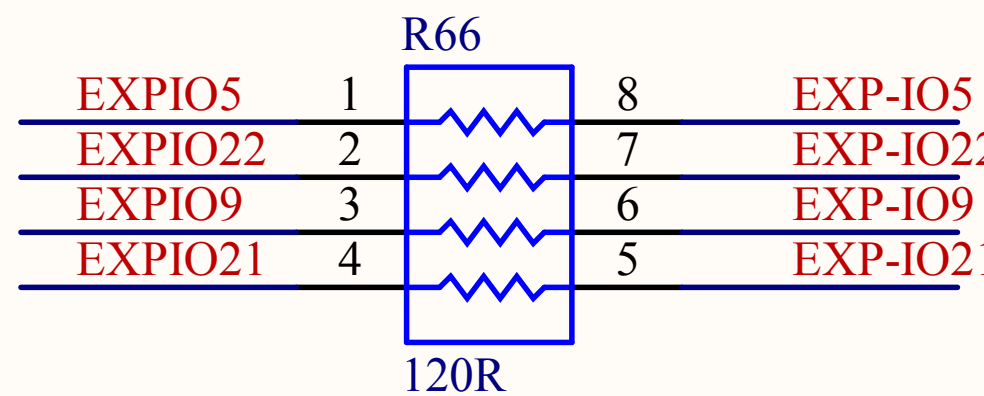
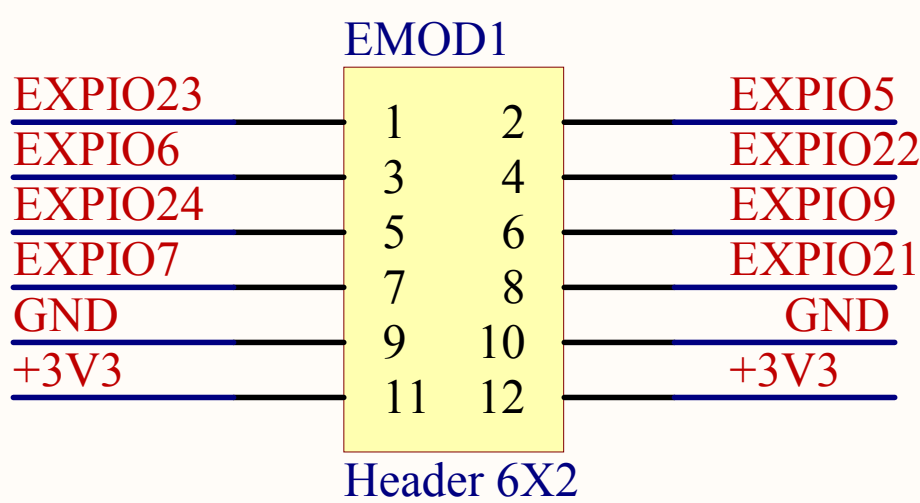
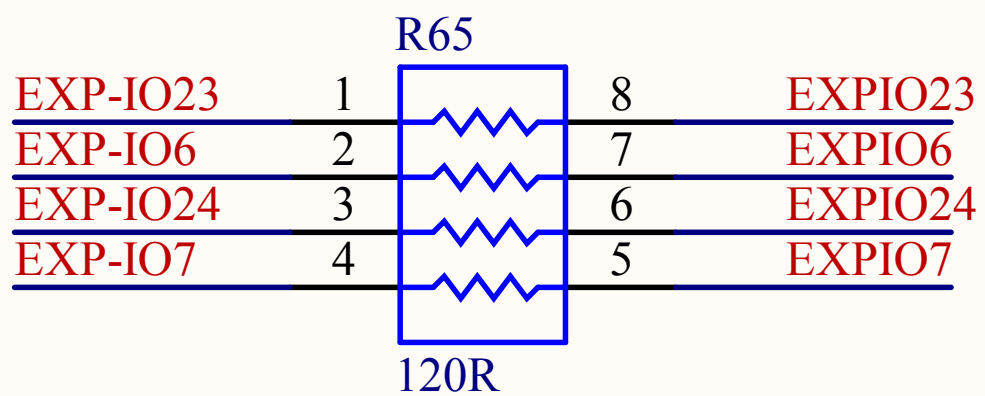
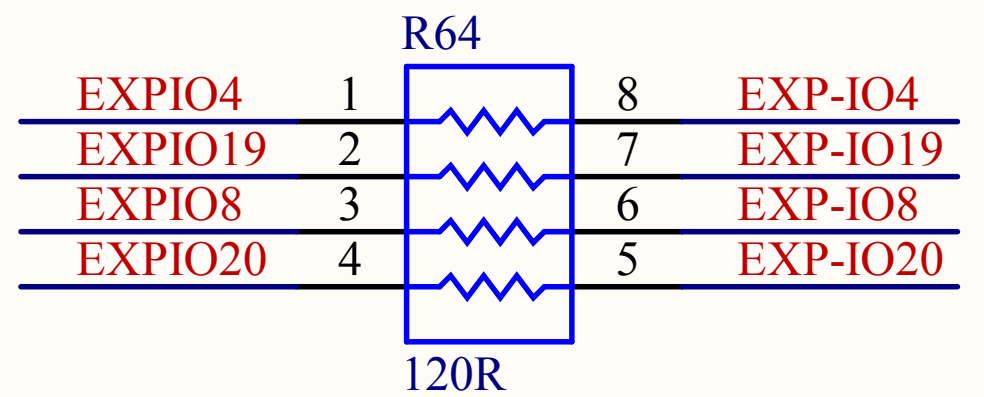
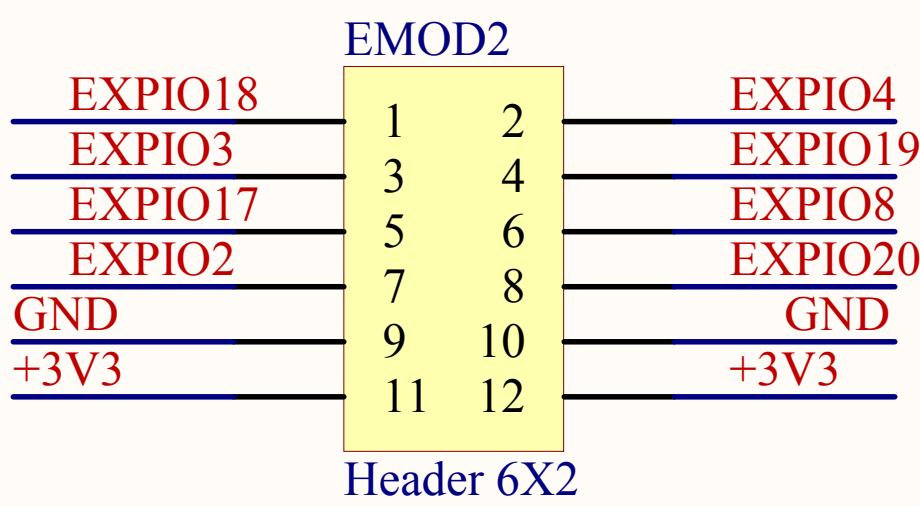
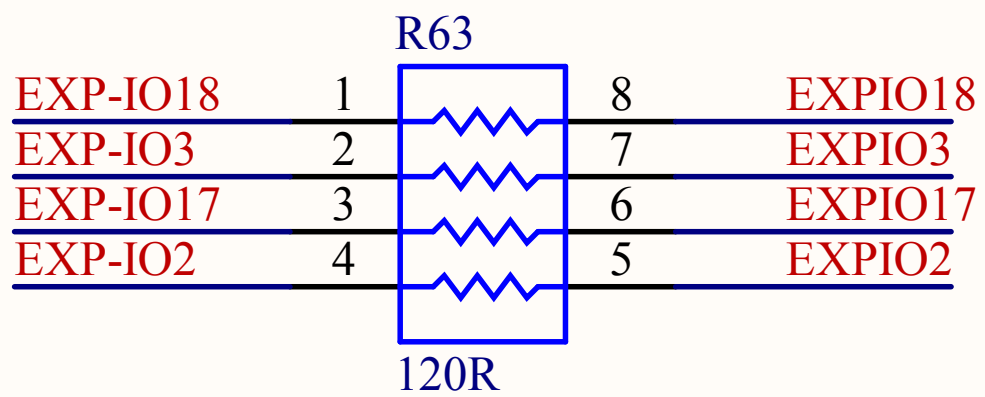
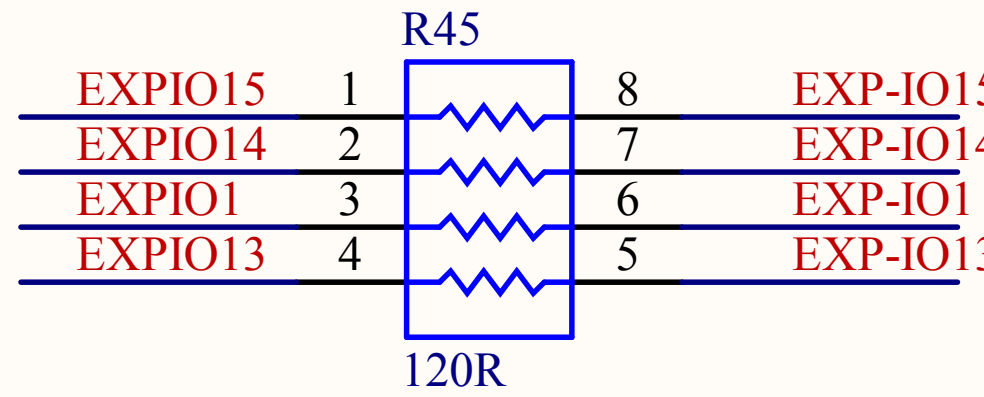
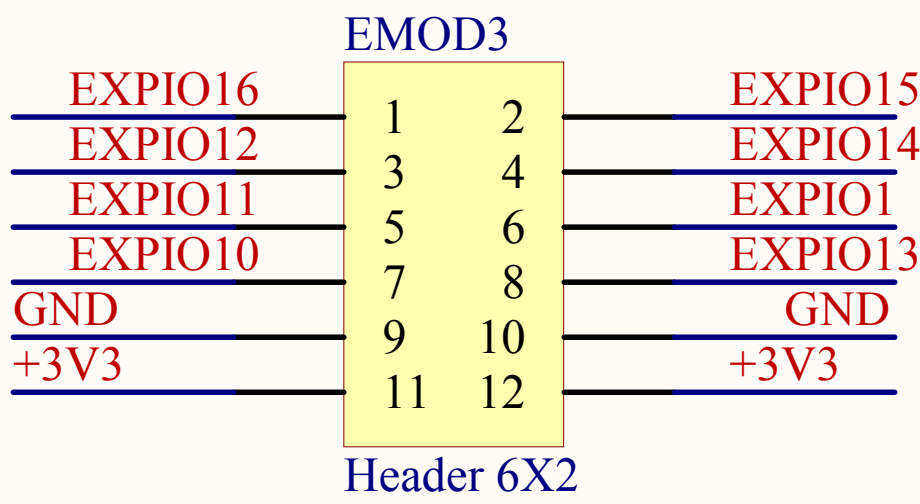
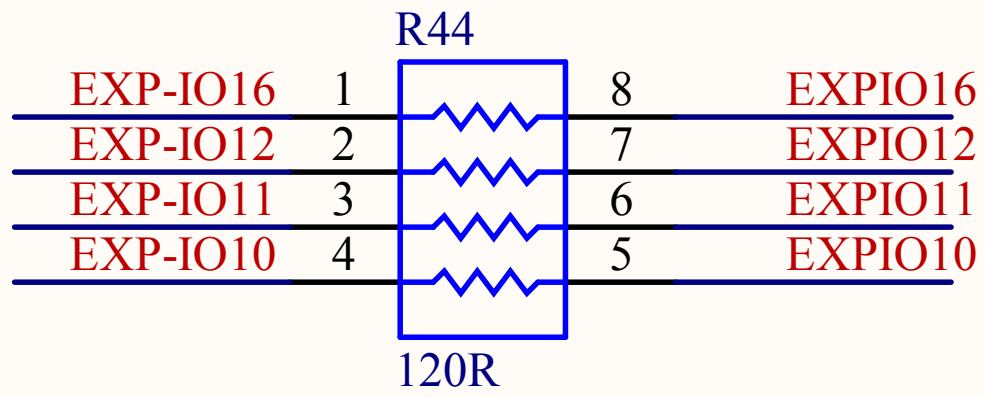
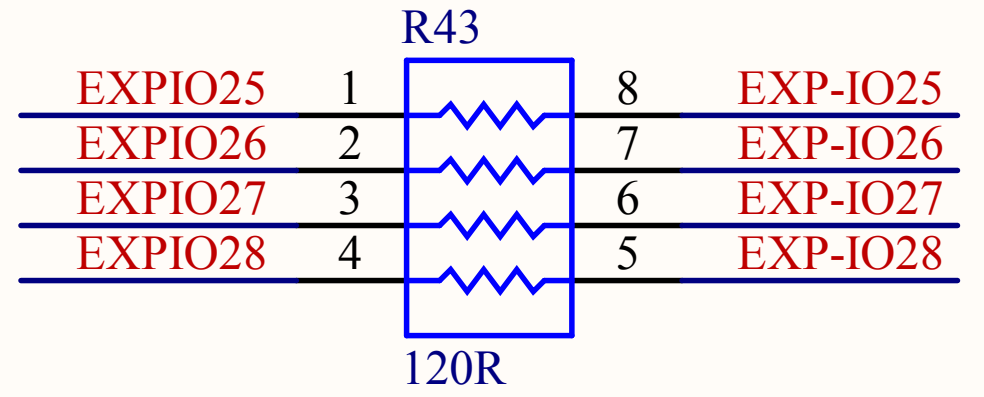
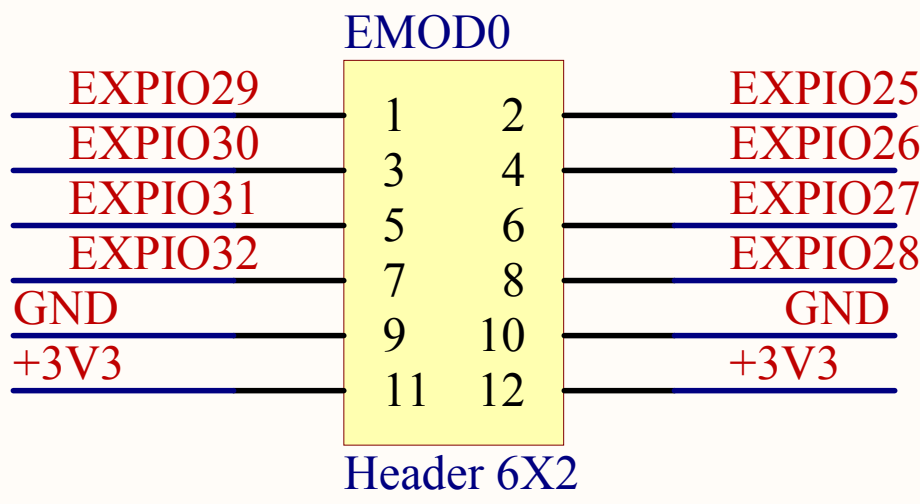
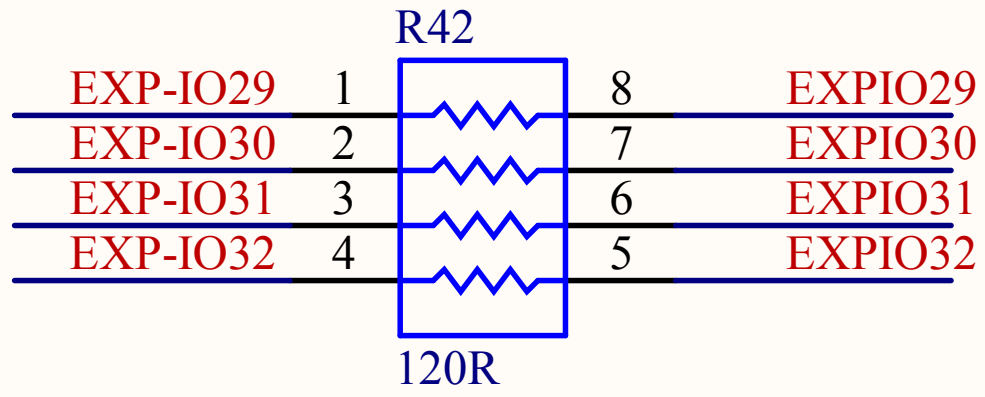
D

A

B

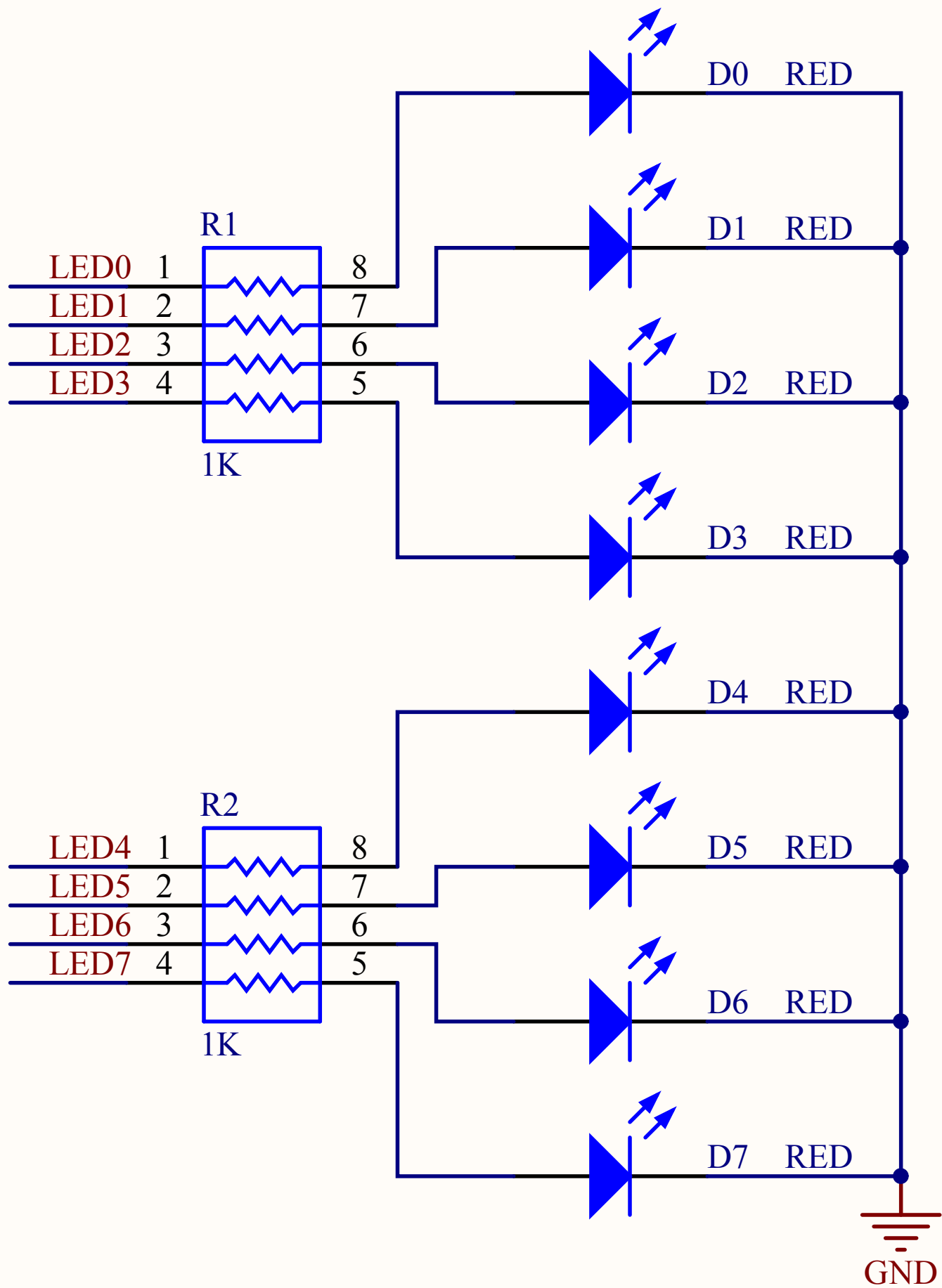
C

D

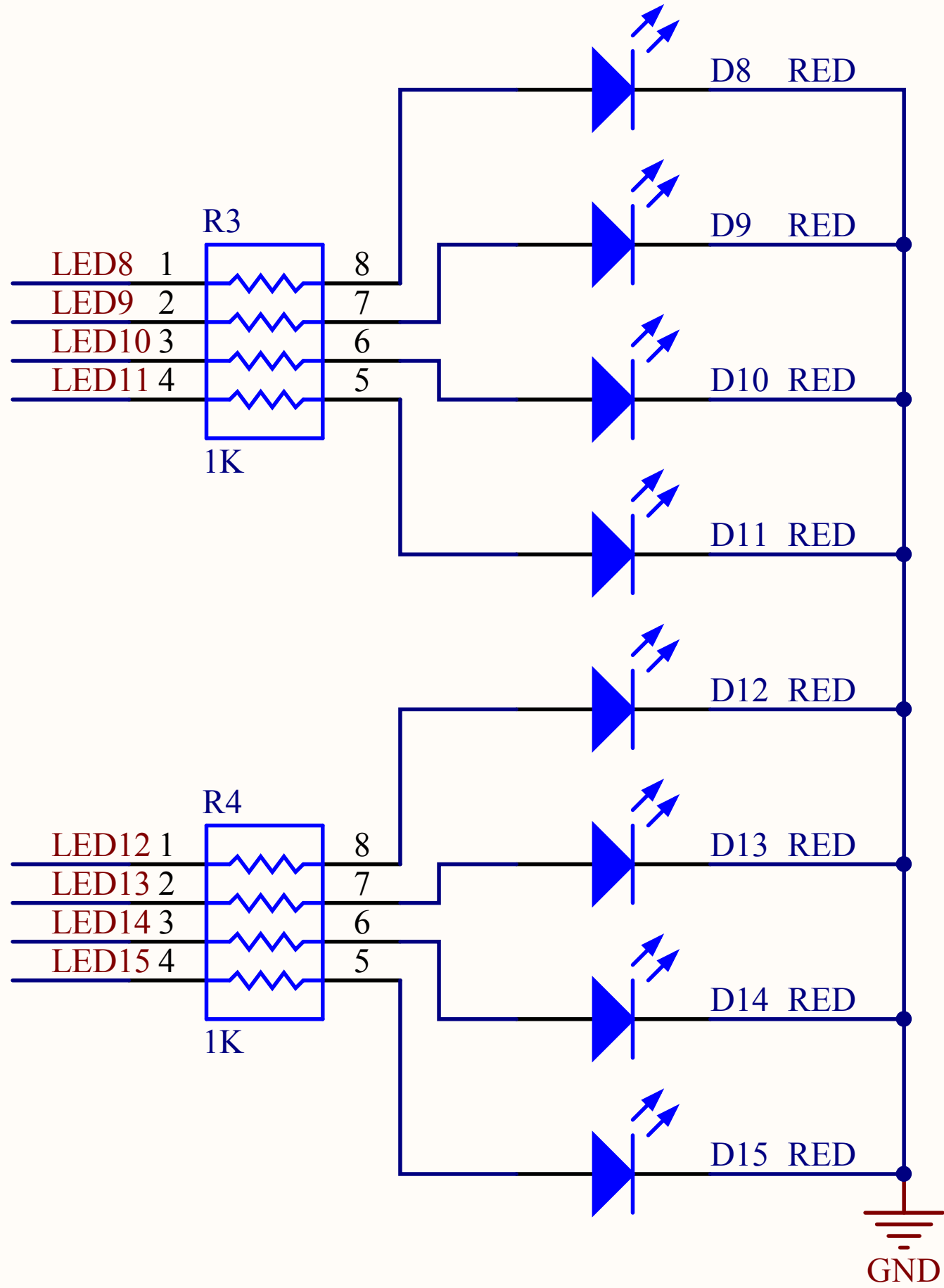


Title		
Size	Number	Revision
A4		
Date:	2017/1/11	Sheet of
File:	F:\allboards\...\emod.SchDoc	Drawn By:

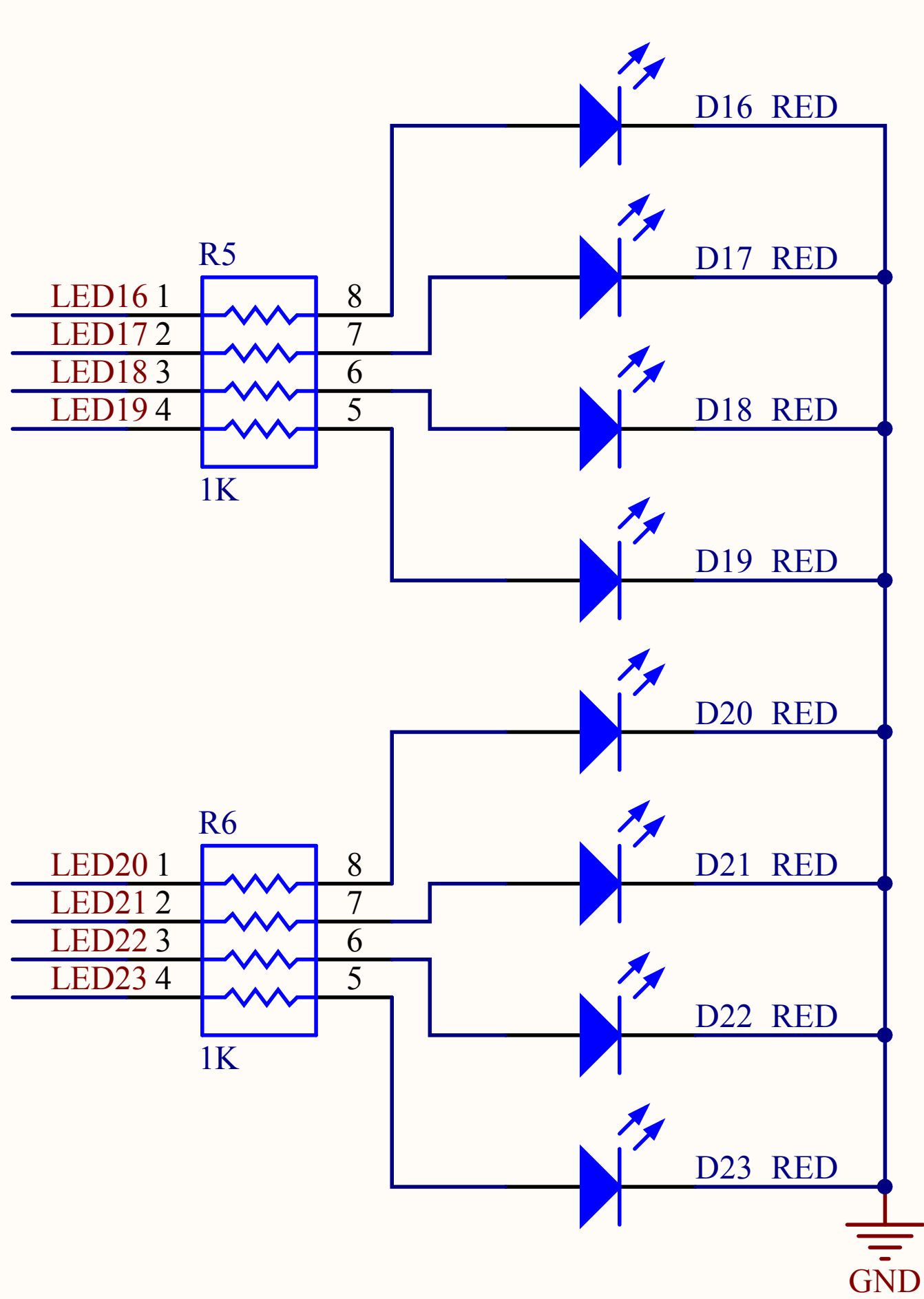
8个LED灯



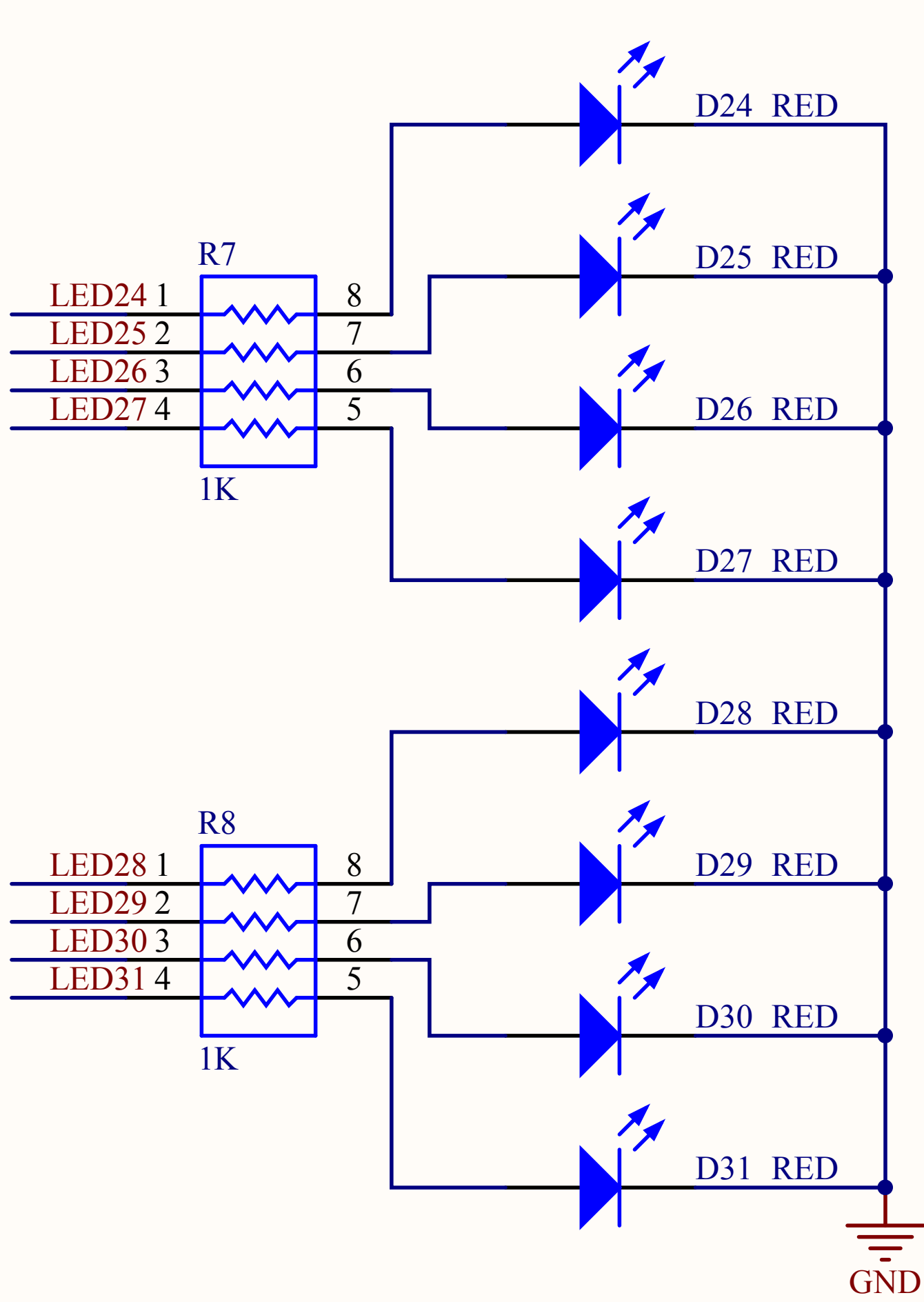
8个LED灯



8个LED灯



8个LED灯



Title		
Size A4	Number	Revision
Date:	2017/1/11	Sheet of
File:	F:\allboards\...\led_light.SchDoc	Drawn By:

底板排针

	*1A							
	GND	A1	A1	B1	B1	GND		
	+5V	A2	A2	B2	B2	+5V		
p1		A3	A3	B3	B3	RTC SCLK		
p2		A4	A4	B4	B4	RTC IO		
p3		A5	A5	B5	B5	RTC RST		
p4		A6	A6	B6	B6	UART1 TX +3V3		
p5		A7	A7	B7	B7	UART2 TX +3V3		
p6		A8	A8	B8	B8	UART1 RX +3V3		
p7		A9	A9	B9	B9	UART2 RX +3V3		
p8		A10	A10	B10	B10	485_RXD		
p9		A11	A11	B11	B11	485_R/D		
p10		A12	A12	B12	B12	485_TXD		
p11		A13	A13	B13	B13	CS_SPI_1		
p12		A14	A14	B14	B14	CS_SPI_0		
p13		A15	A15	B15	B15	SCLK_SPI		
p14	EXP-IO10	A16	A16	B16	B16	MISO_SPI		
p15	EXP-IO11	A17	A17	B17	B17	MOSI_SPI		
p16	EXP-IO12	A18	A18	B18	B18	BUZZ		
p17	EXP-IO16	A19	A19	B19	B19	SCL_I2C		
p18	EXP-IO15	A20	A20	B20	B20	SDA_I2C		
p19	EXP-IO14	A21	A21	B21	B21	EXP-IO1		
p20	EXP-IO13	A22	A22	B22	B22	EXP-IO2		
p21	EXP-IO17	A23	A23	B23	B23	EXP-IO3		
p22	EXP-IO18	A24	A24	B24	B24	EXP-IO4		
p23	EXP-IO19	A25	A25	B25	B25	EXP-IO8		
p24	EXP-IO20	A26	A26	B26	B26	EXP-IO7		
p25	EXP-IO24	A27	A27	B27	B27	EXP-IO6		
p26	EXP-IO23	A28	A28	B28	B28	EXP-IO5		
p27	EXP-IO22	A29	A29	B29	B29	EXP-IO9		
p28	EXP-IO21	A30	A30	B30	B30	SW_C0		
p29	EXP-IO25	A31	A31	B31	B31	SW_C1		
p30	EXP-IO26	A32	A32	B32	B32	SW_C2		
p31	EXP-IO27	A33	A33	B33	B33	SW_C3		
p32	EXP-IO28	A34	A34	B34	B34	SW_R0		
	EXP-IO32	A35	A35	B35	B35	SW_R1		
	EXP-IO31	A36	A36	B36	B36	SW_R2		
	EXP-IO30	A37	A37	B37	B37	SW_R3		
	EXP-IO29	A38	A38	B38	B38	EXP-IO35		
	+5V	A39	A39	B39	B39	+5V		
	GND	A40	A40	B40	B40	GND		

PinHeader_40x6

*1B							
GND	C1	D1	D1	GND			
+5V	C2	D2	D2	+5V			
SW_RST	C3	D3	D3	LCD_RST			
SW_PROG	C4	D4	D4	LCD_PSB			
PS2_DATA_K	C5	D5	D5	DB7			
PS2_CLK_K	C6	D6	D6	DB6			
Tem_IN	C7	D7	D7	DB5			
INF_IN	C8	D8	D8	DB4			
BITCLK	C9	D9	D9	DB3			
SDATA_O	C10	D10	D10	DB2			
SDATA_I	C11	D11	D11	DB1			
SYNC	C12	D12	D12	DB0			
AC_RST#	C13	D13	D13	LCD_EN			
USB_TXD	C14	D14	D14	LCD_RW			
USB_RXD	C15	D15	D15	LCD_RS			
SW0	C16	D16	D16	ADC_CS			
SW1	C17	D17	D17	ADC_SCLK			
SW2	C18	D18	D18	ADC_DOUT			
SW3	C19	D19	D19	ADC_DIN			
DIP0	C20	D20	D20	DAC_SCLK			
DIP1	C21	D21	D21	DAC_CS			
DIP2	C22	D22	D22	DAC_DI			
DIP3	C23	D23	D23				
DIP4	C24	D24	D24	LED22			
DIP5	C25	D25	D25	LED23			
DIP6	C26	D26	D26	LED24			
DIP7	C27	D27	D27	LED25			
DIP8	C28	D28	D28	LED26			
DIP9	C29	D29	D29	LED27			
DIP10	C30	D30	D30	LED28			
DIP11	C31	D31	D31	LED29			
DIP12	C32	D32	D32	LED30			
DIP13	C33	D33	D33	LED31			
DIP14	C34	D34	D34	VGA_HSYNC			
DIP15	C35	D35	D35	VGA_VSYNC			
EXP-IO33	C36	D36	D36	VGA_RED0			
EXP-IO34	C37	D37	D37	JTAG_USBD_P			
EXP-IO36	C38	D38	D38	JTAG_USBD_N			
+5V	C39	D39	D39	+5V			
GND	C40	D40	D40	GND			

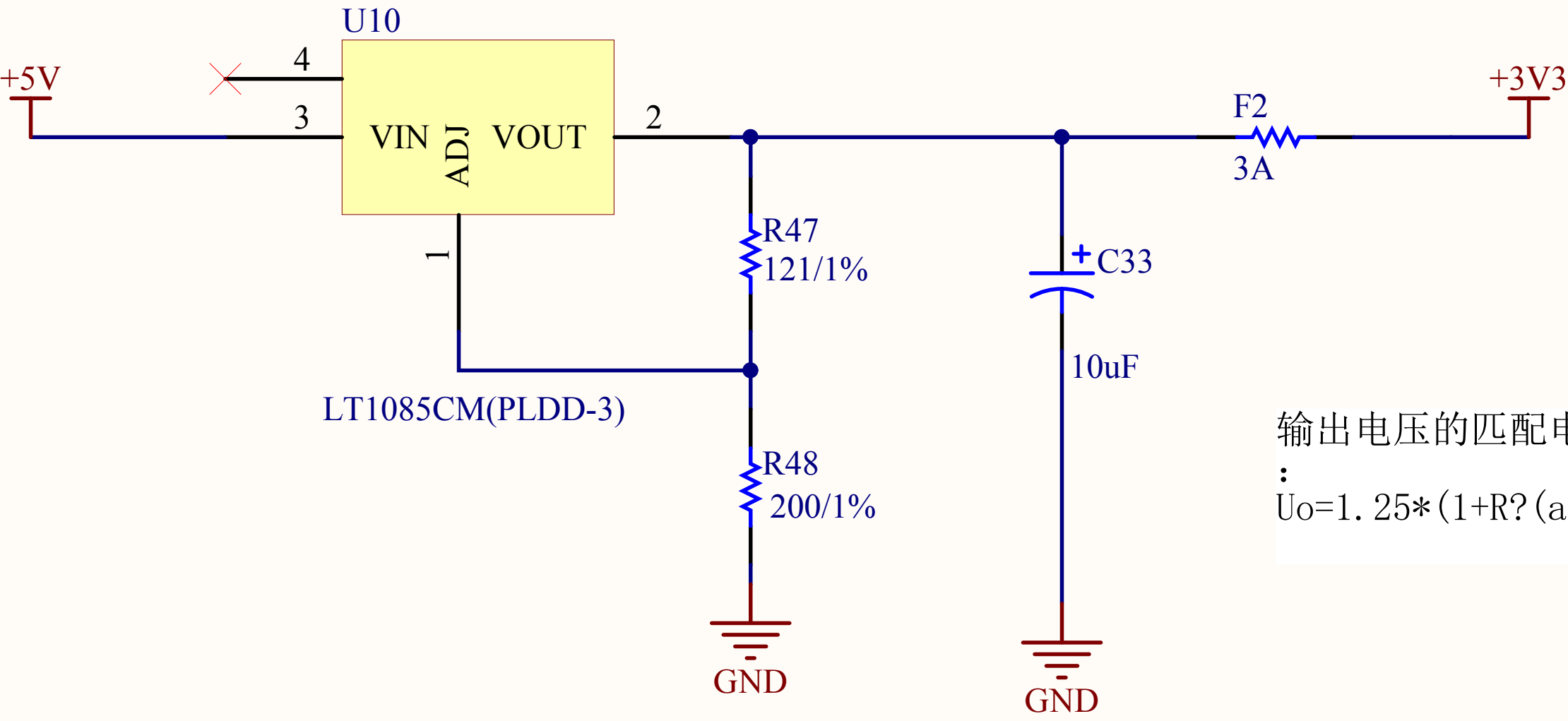
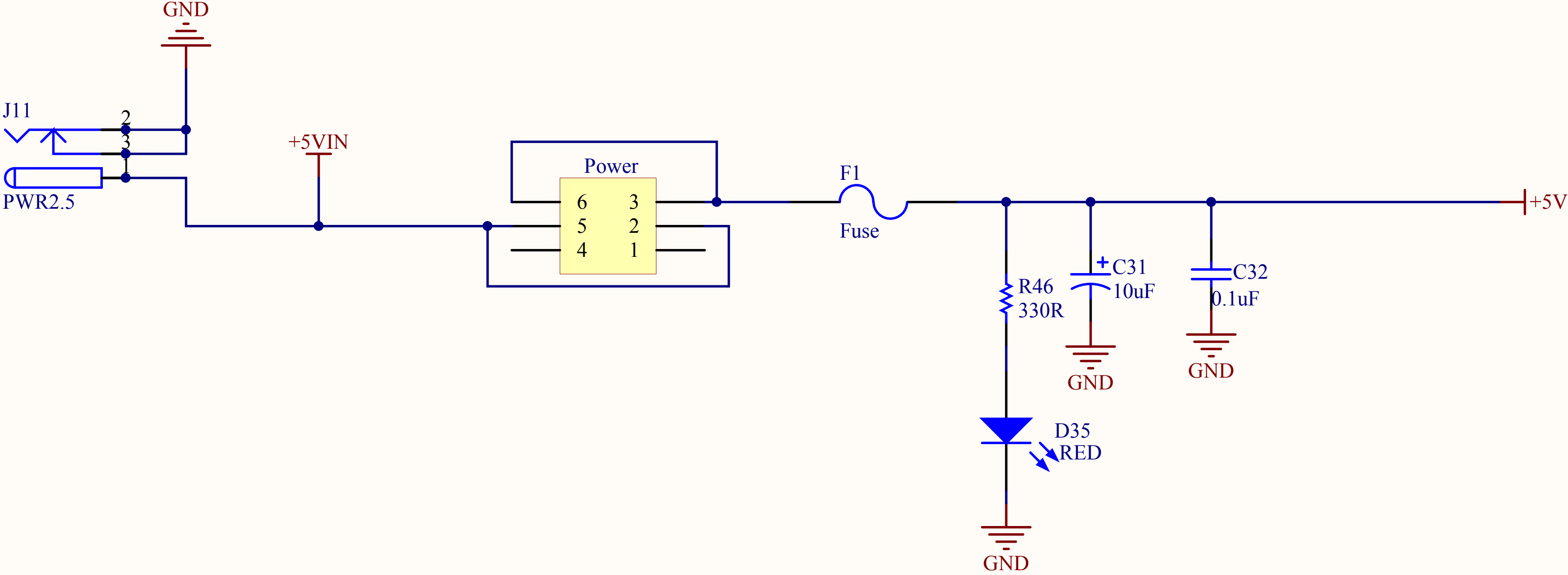
PinHeader_40x6

*1C							
GND	E1	F1	F1	GND			
+5V	E2	F2	F2	+5V			
H5	E3	F3	F3	L8			
H7	E4	F4	F4	L7			
L2	E5	F5	F5	H2			
L3	E6	F6	F6	L1			
H8	E7	F7	F7	H4			
L5	E8	F8	F8	L6			
H6	E9	F9	F9	L4			
H3	E10	F10	F10	H1			
H5_1	E11	F11	F11	L8_1			
H7_1	E12	F12	F12	L7_1			
L2_1	E13	F13	F13	H2_1			
L3_1	E14	F14	F14	L1_1			
H8_1	E15	F15	F15	H4_1			
L5_1	E16	F16	F16	L6_1			
H6_1	E17	F17	F17	L4_1			
H3_1	E18	F18	F18	H1_1			
LED_S0	E19	F19	F19	LED0			
LED_S3	E20	F20	F20	LED1			
LED_S2	E21	F21	F21	LED2			
LED_S1	E22	F22	F22	LED3			
LED_S7	E23	F23	F23	LED4			
LED_S6	E24	F24	F24	LED5			
LED_S5	E25	F25	F25	LED6			
LED_S4	E26	F26	F26	LED7			
LED_E	E27	F27	F27	LED8			
LED_F	E28	F28	F28	LED9			
LED_G	E29	F29	F29	LED10			
LED_DP	E30	F30	F30	LED11			
LED_A	E31	F31	F31	LED12			
LED_B	E32	F32	F32	LED13			
LED_C	E33	F33	F33	LED14			
LED_D	E34	F34	F34	LED15			
VGA_GREEN0	E35	F35	F35	LED16			
VGA_BLUE0	E36	F36	F36	LED17			
LED20	E37	F37	F37	LED18			
LED21	E38	F38	F38	LED19			
+5V	E39	F39	F39	+5V			
GND	E40	F40	F40	GND			

PinHeader_40x6

Title		
Size A3	Number	Revision
Date:	2017/1/11	Sheet of
File:	F:\allboards\...\pinhead.SchDoc	Drawn By:

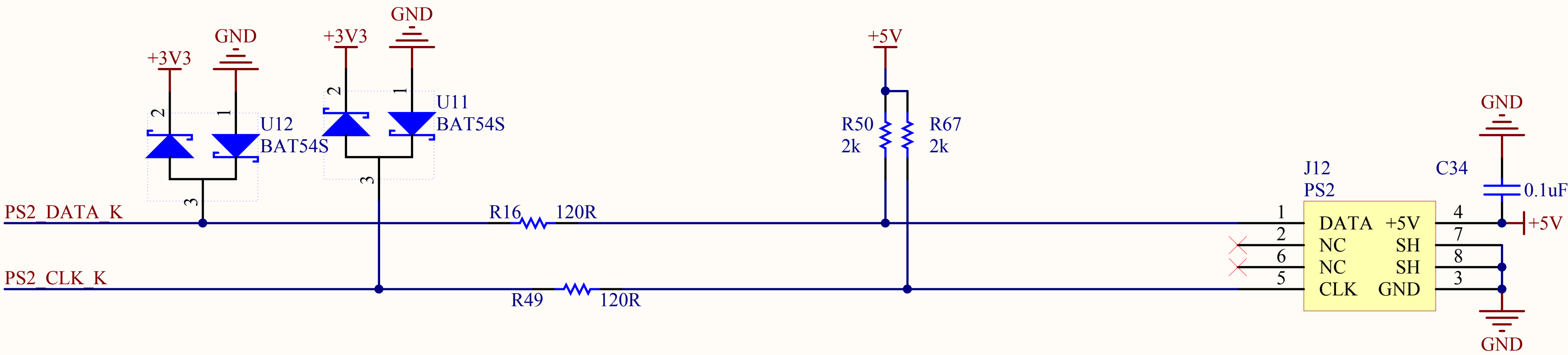
电源模块



输出电压的匹配电阻公式
:
 $U_o = 1.25 * (1 + R_{(adj)} / 121)$

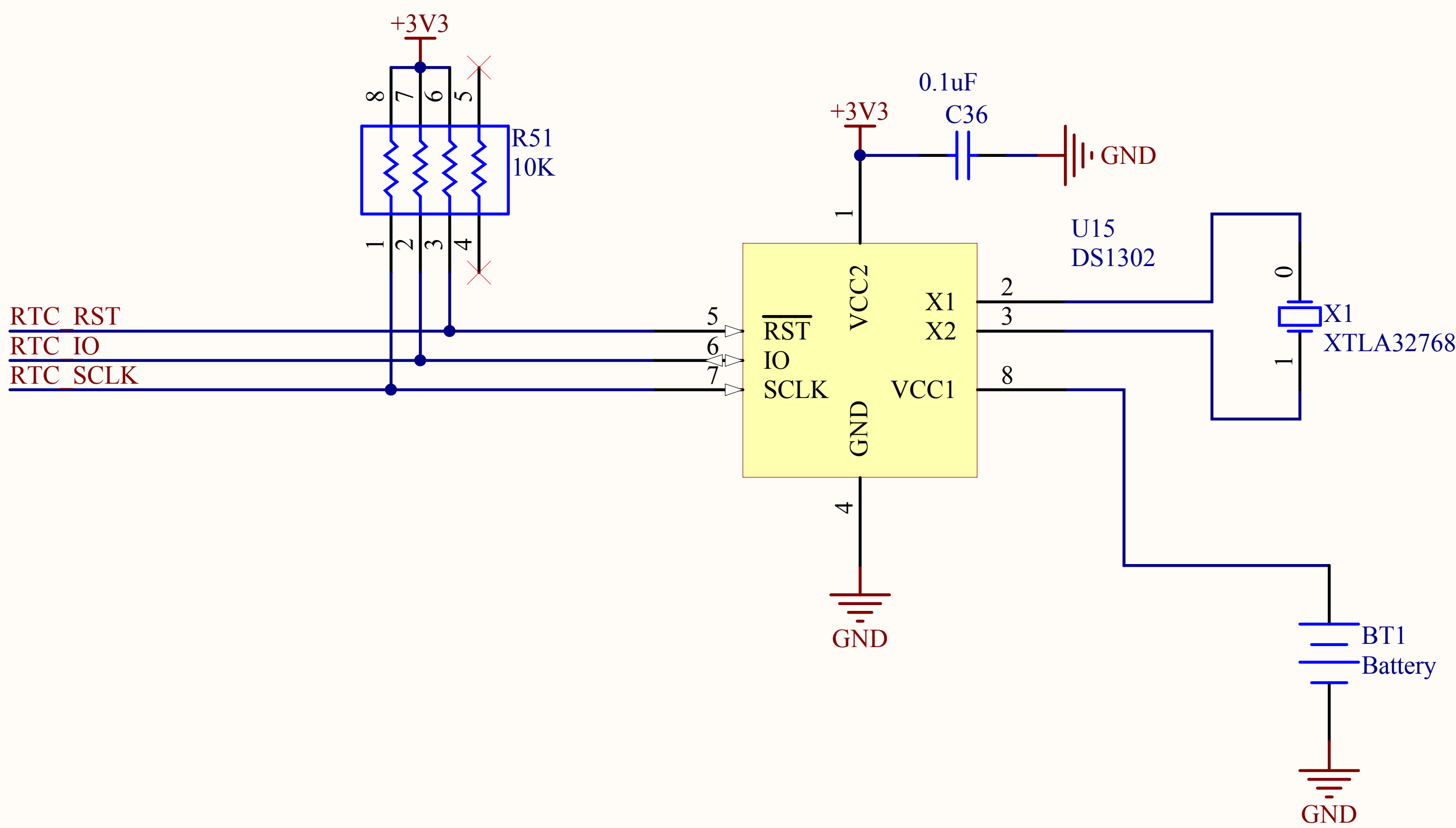
Title		
Size A4	Number	Revision
Date:	2017/1/11	Sheet of
File:	F:\allboards\...\POWER.SchDoc	Drawn By:

PS2



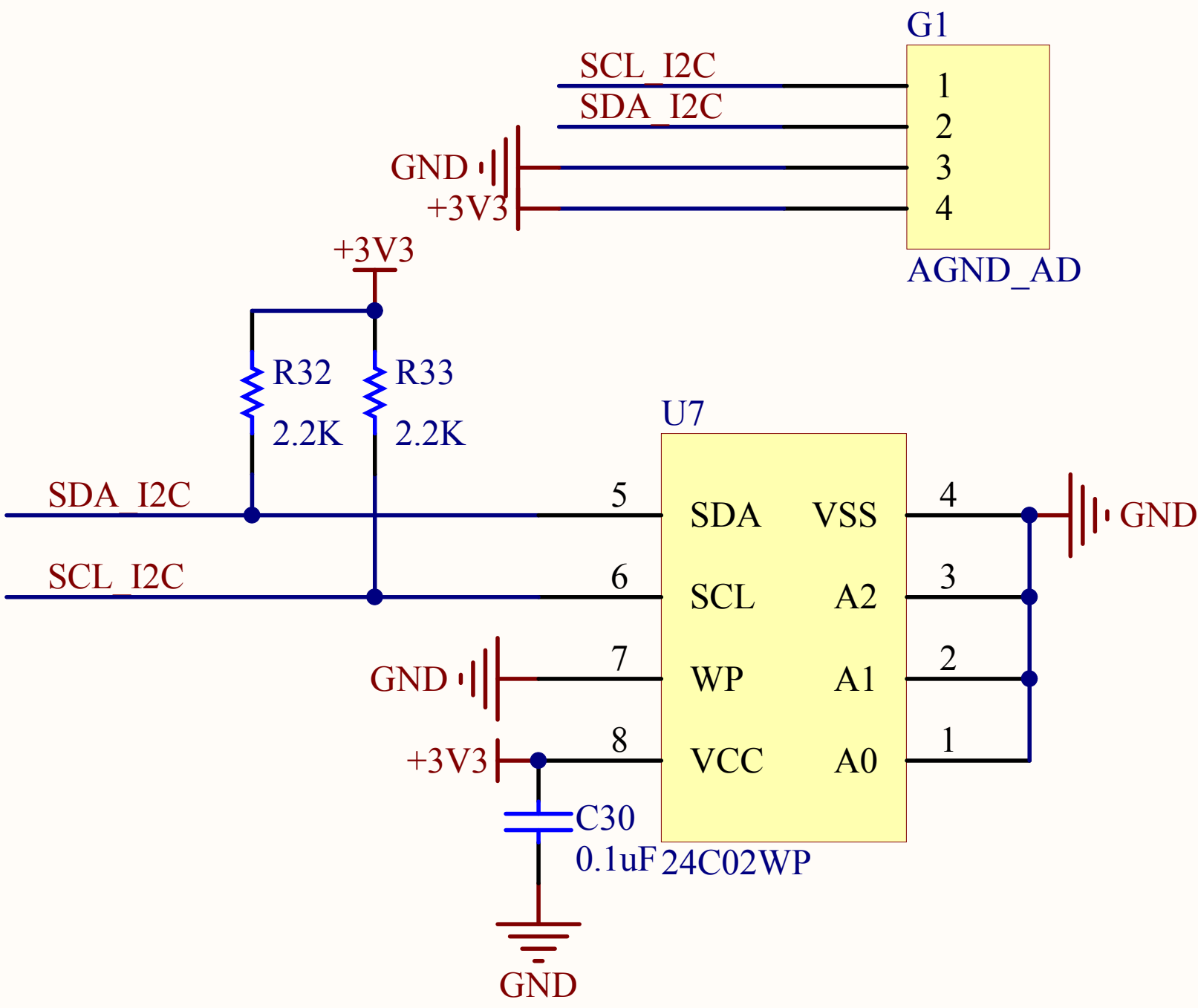
Title		
Size A4	Number	Revision
Date:	2017/1/11	Sheet of
File:	F:\allboards\..\PS_2.SchDoc	Drawn By:

RTC

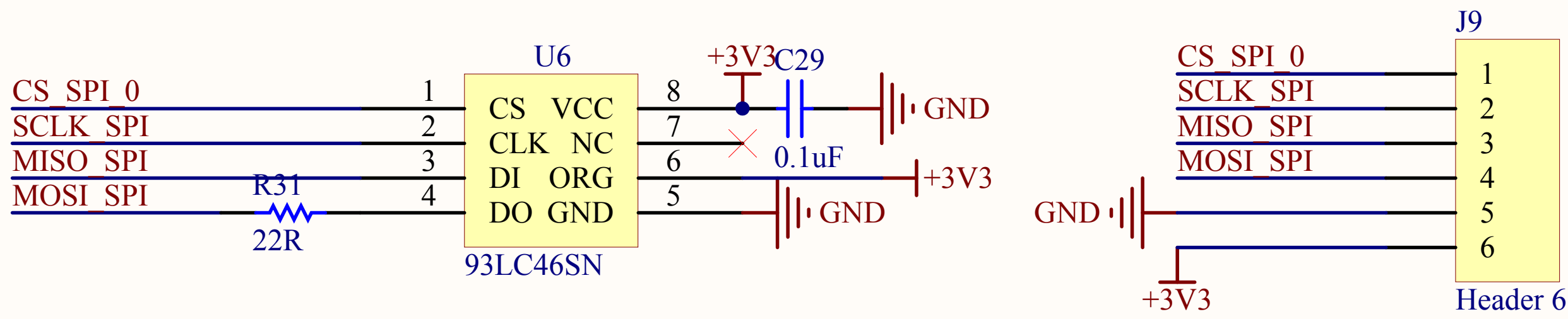


Title		
Size A4	Number	Revision
Date:	2017/1/11	Sheet of
File:	F:\allboards\...\RTC.SchDoc	Drawn By:

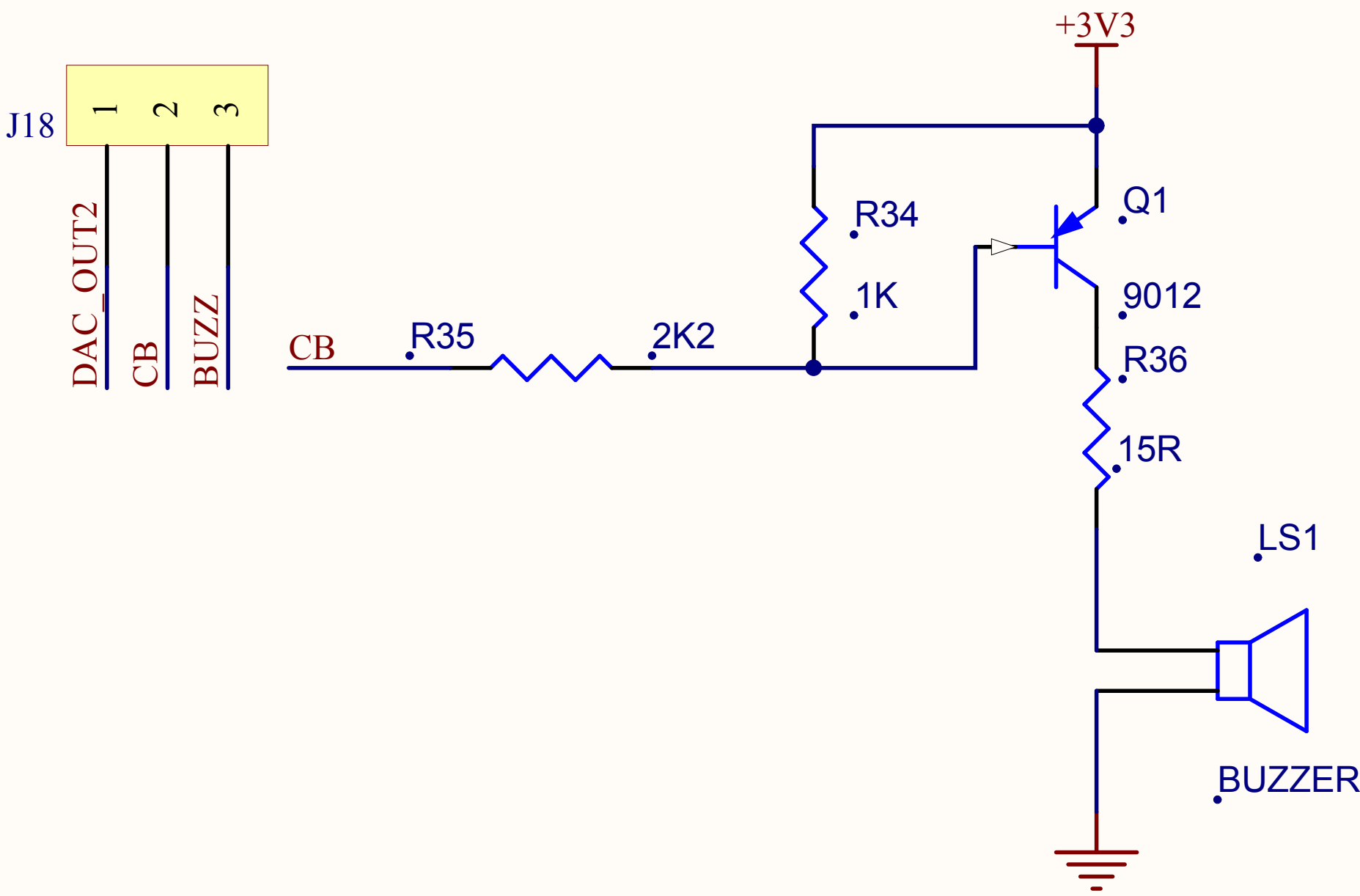
I2C通信



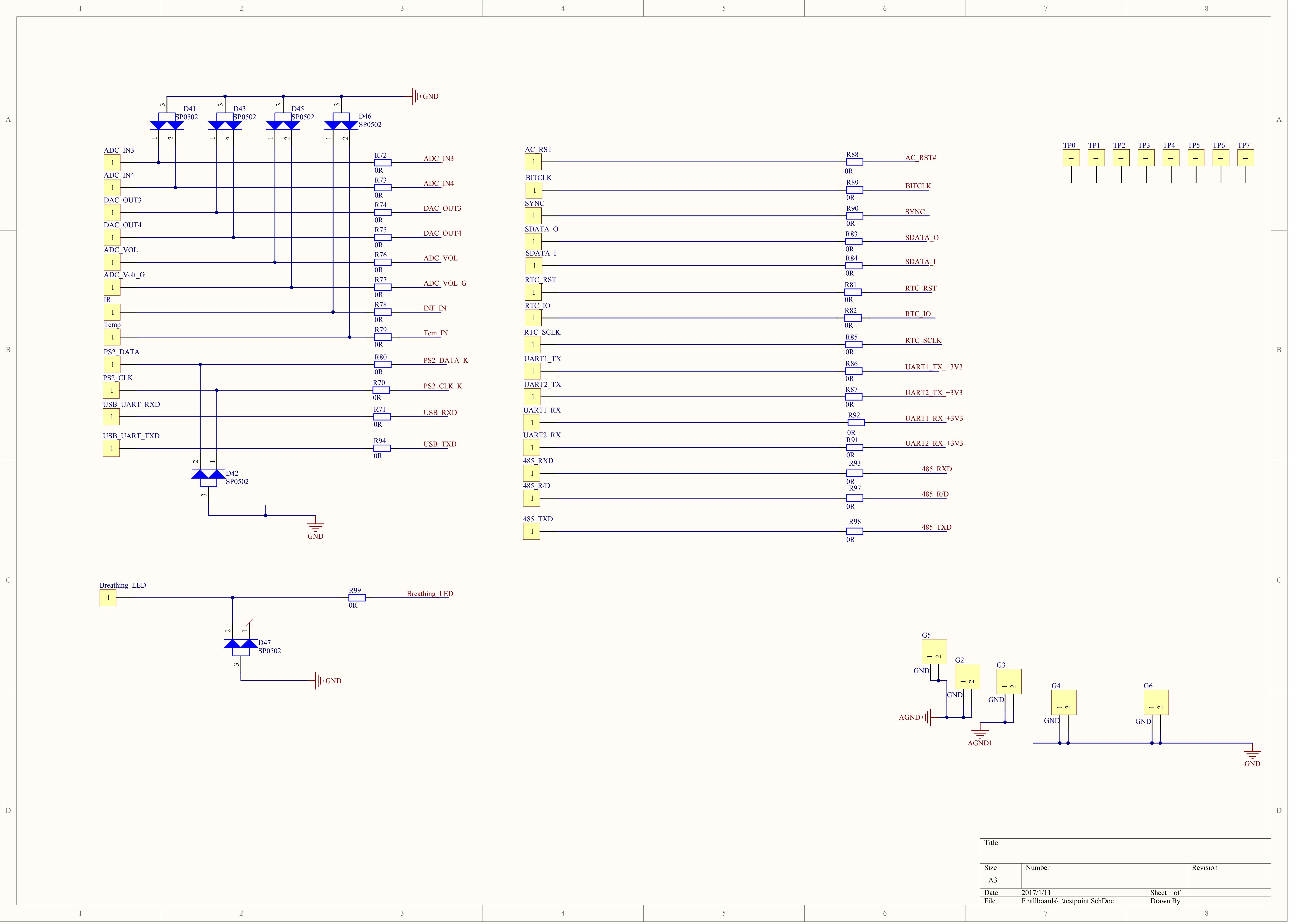
SPI通信



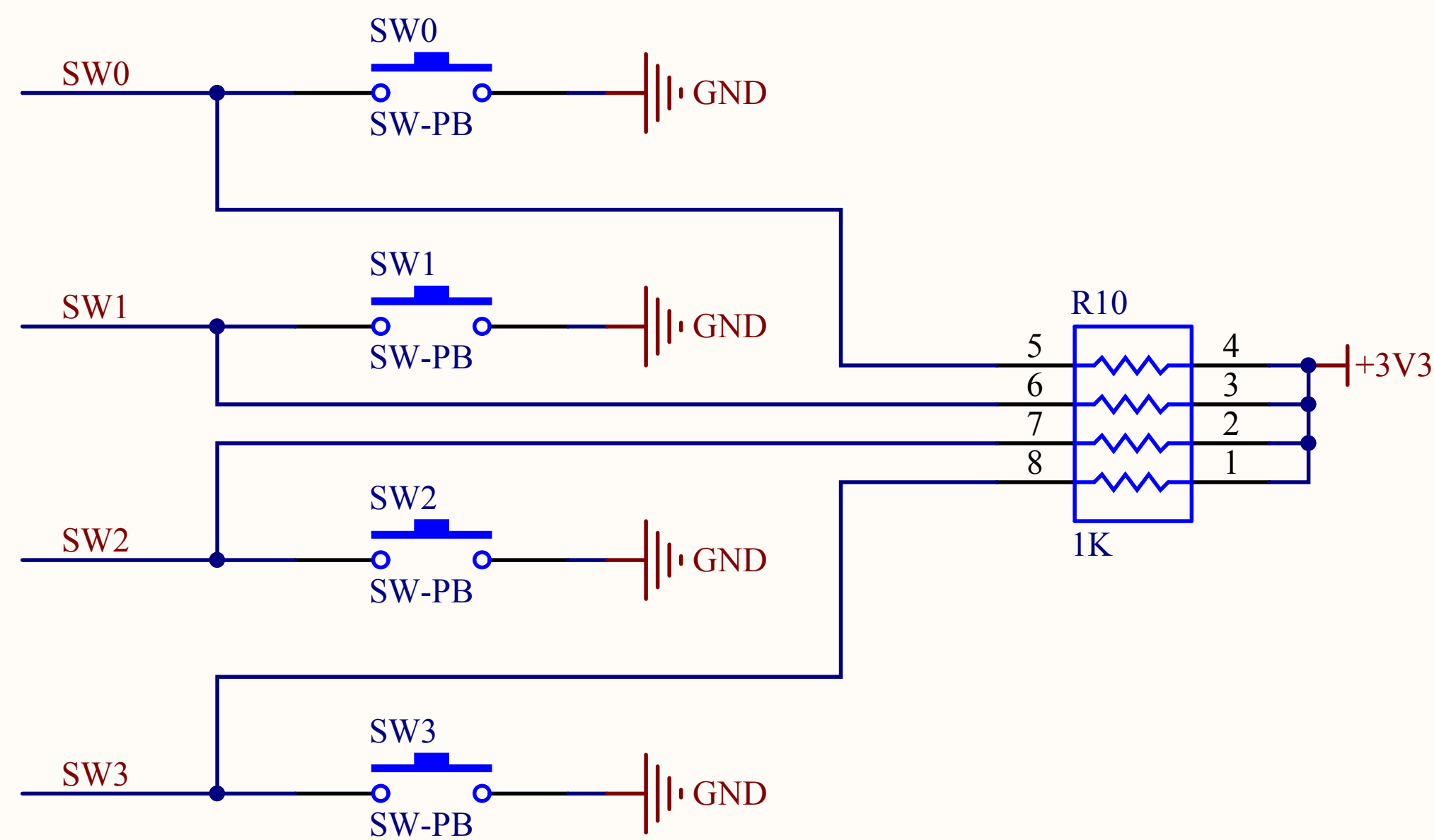
蜂鸣器



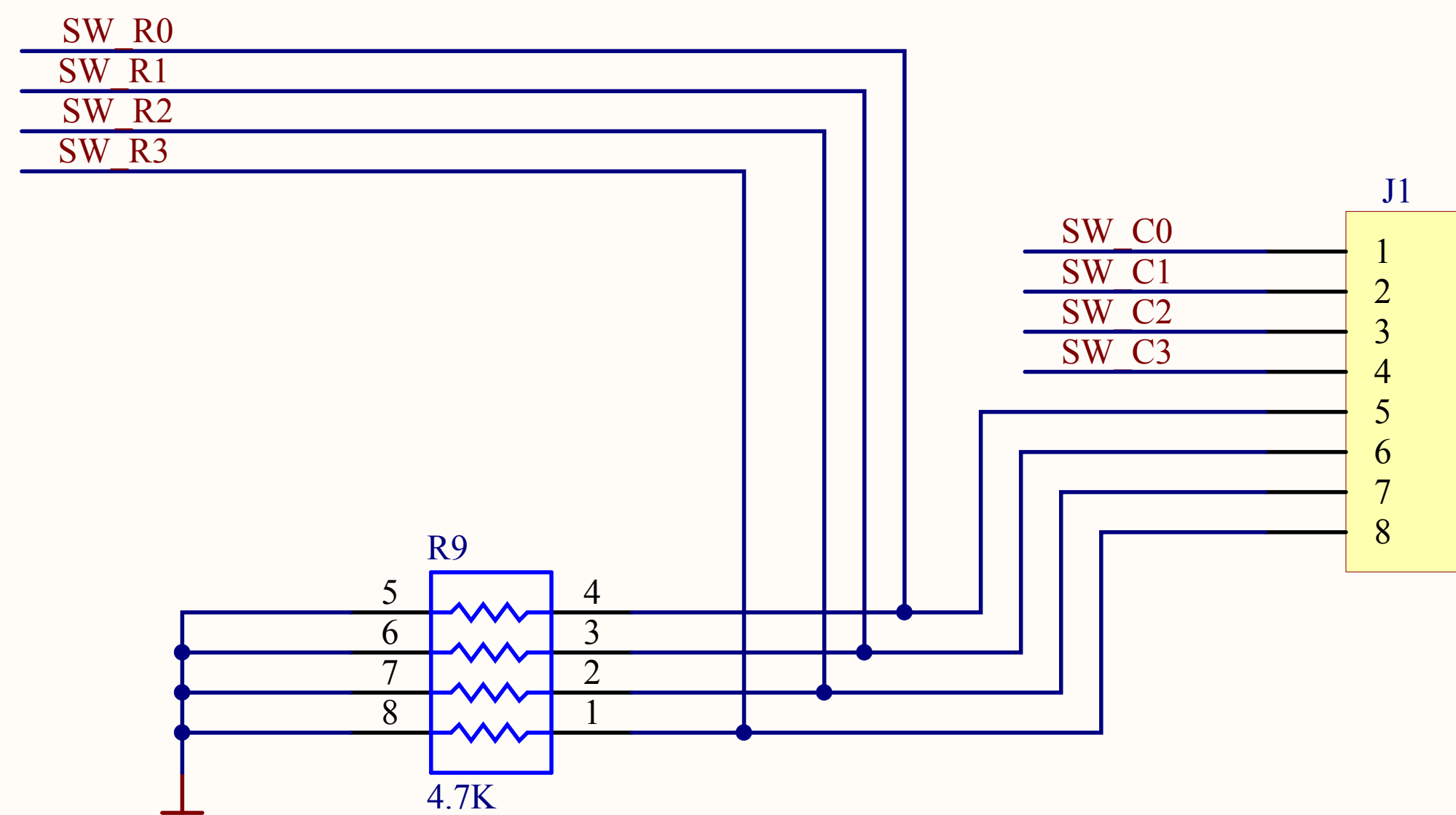
Title		
Size A4	Number	Revision
Date:	2017/1/11	Sheet of
File:	F:\allboards\...\SPI&I2C.SchDoc	Drawn By:



4个轻触开关



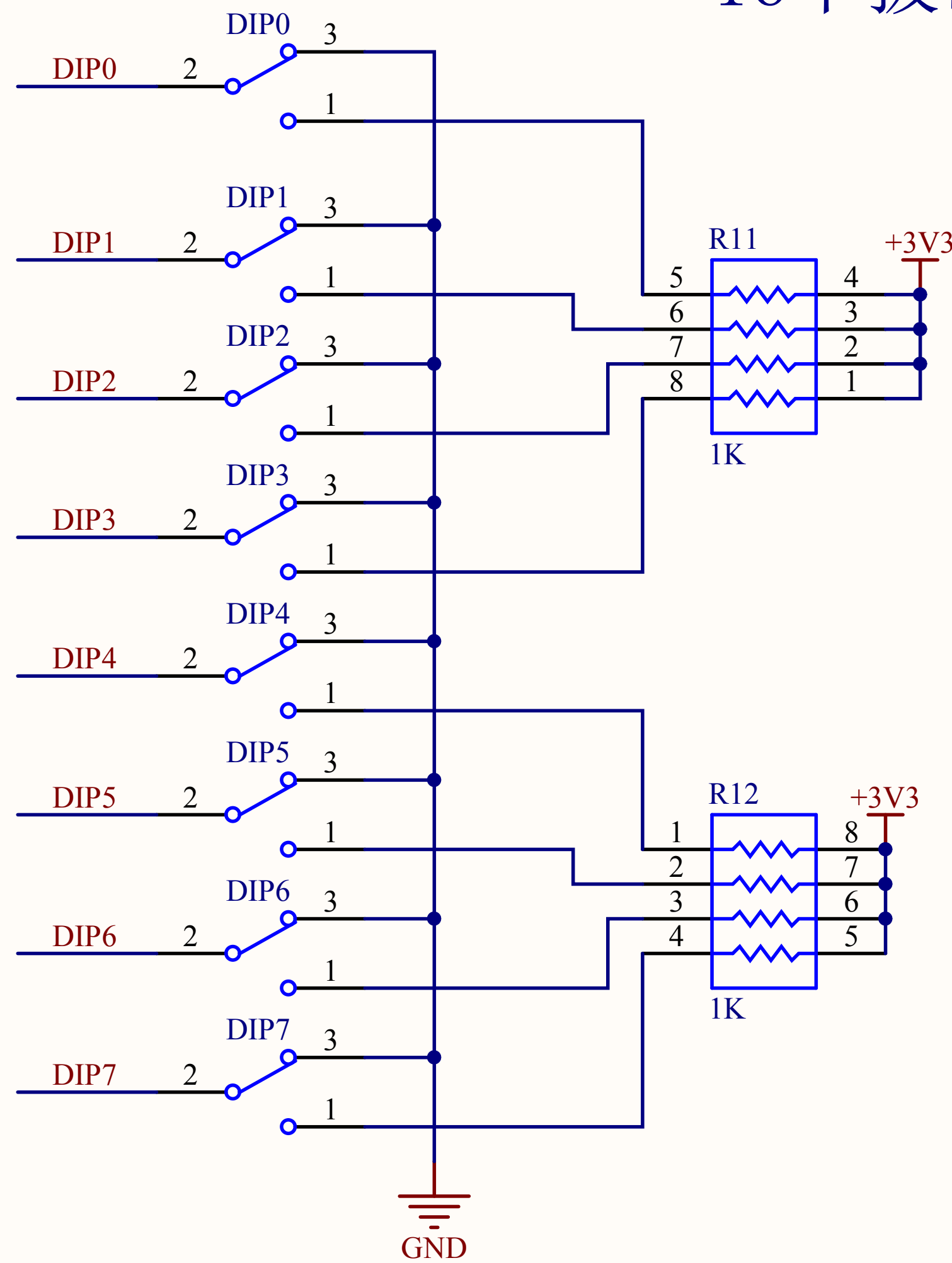
4X4键盘



IO<8>
Input: 0
Output: 0
InOut: 8

POWER
+3.3V

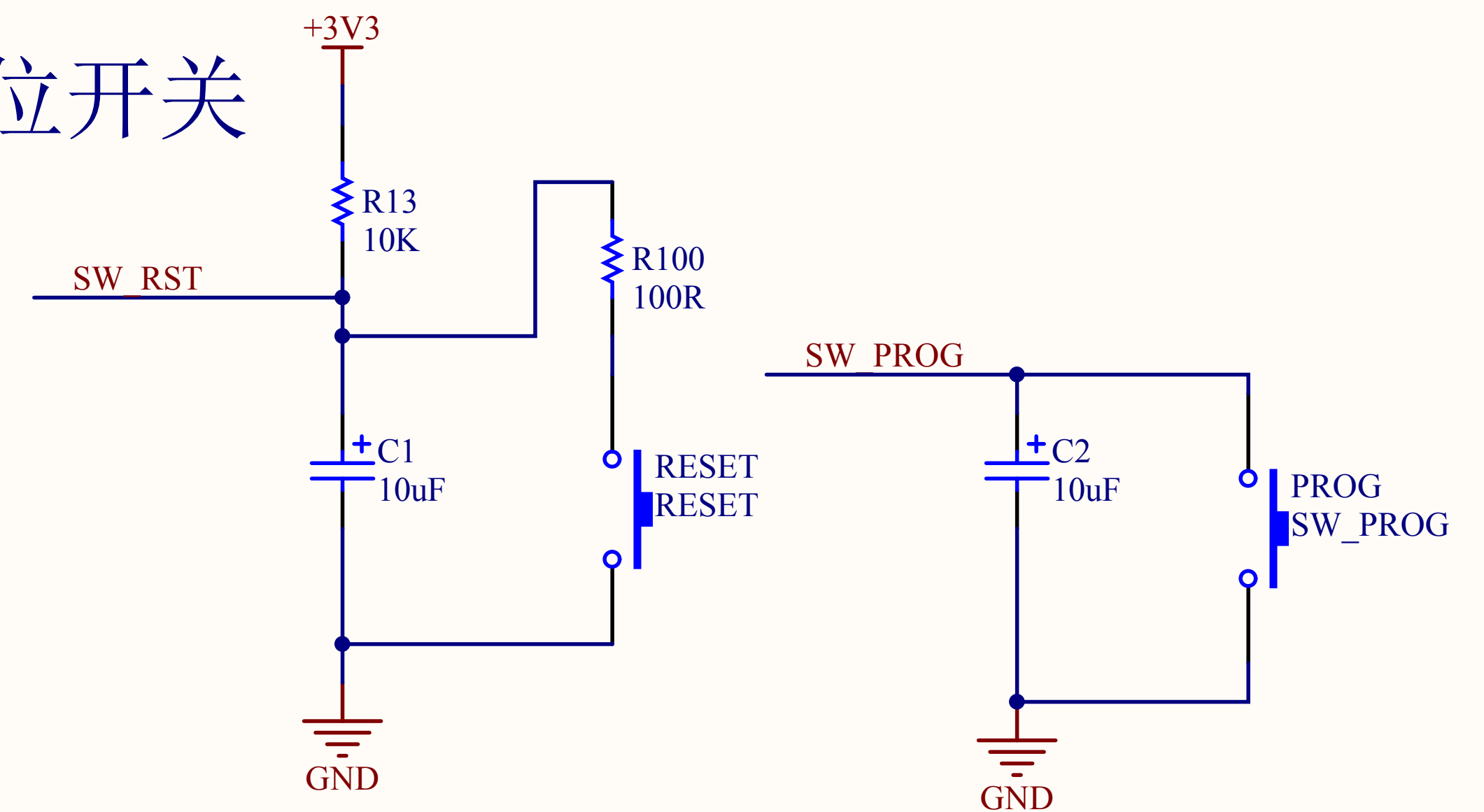
16个拨码开关



TFT1
7inchTFT
7INCHTFT

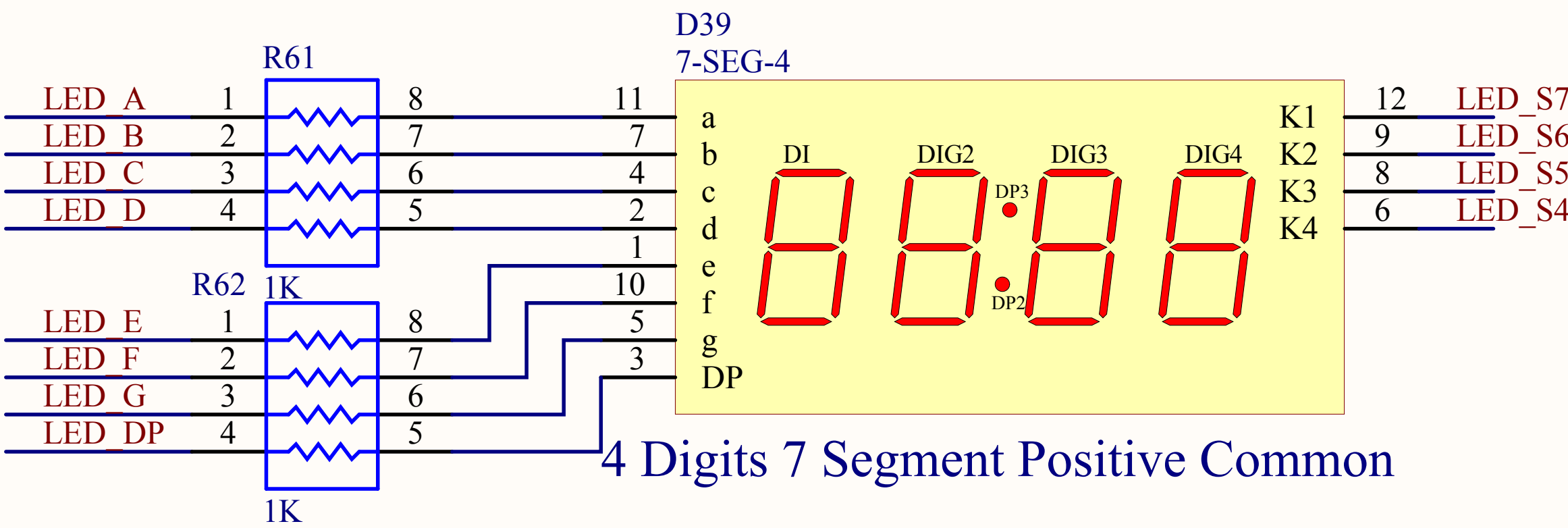
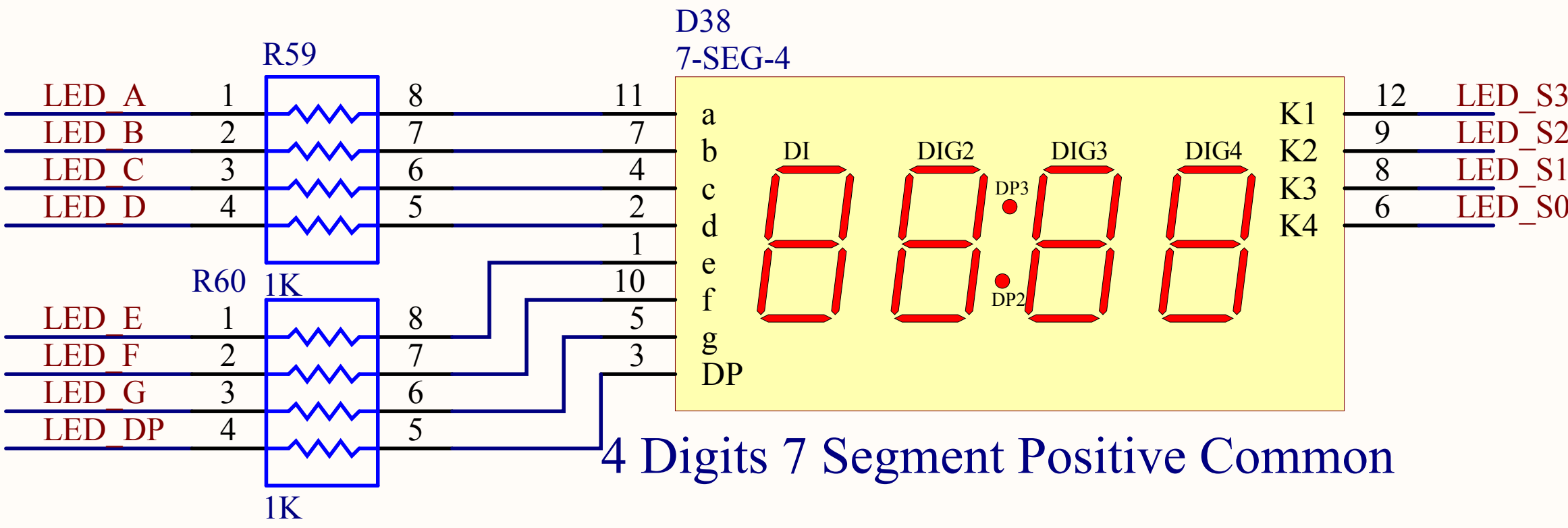
TFT2
7inchTFT
7INCHTFT

复位开关



Title		
Size	Number	
A4	Revision	
Date:	2017/1/11	Sheet of
File:	F:\allboards\...\SchDoc	Drawn By:

4位7段数码管



Title			
Size	Number		Revision
A4			
Date:	2017/1/11	Sheet of	
File:	F:\allboards\...\&LED .SchDoc	Drawn By:	