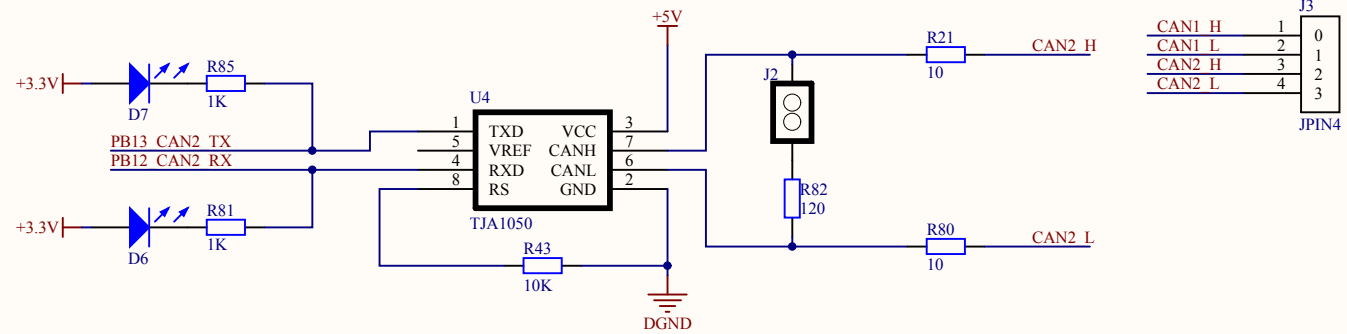
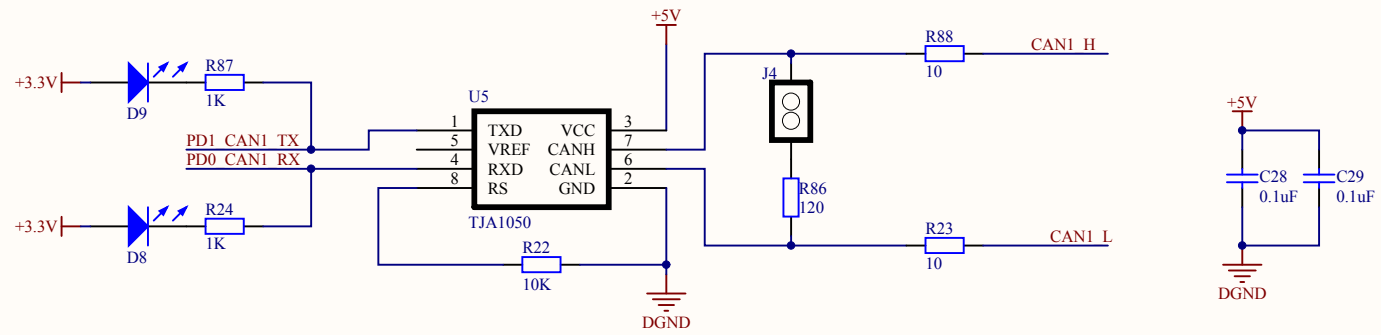


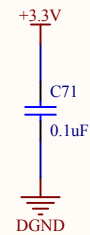
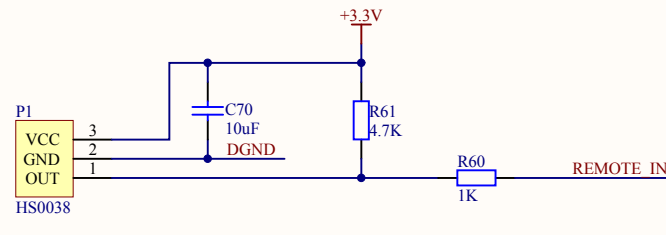
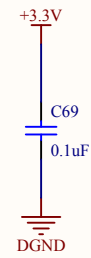
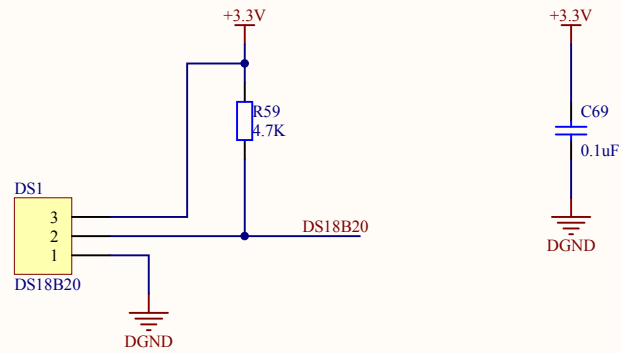
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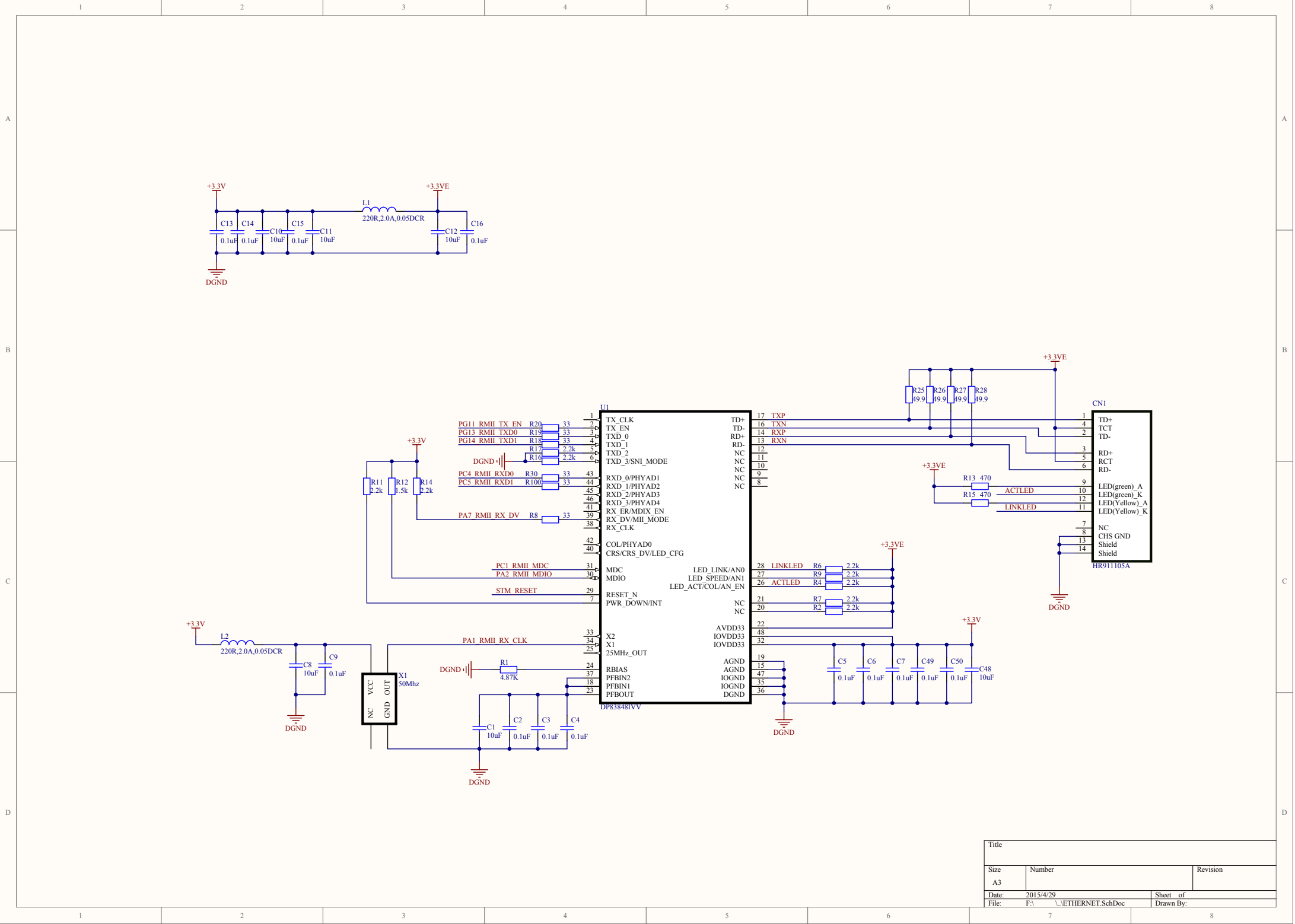
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CAN1 L	2	1
CAN2 H	3	2
CAN2 L	4	3

J3
JPIN4

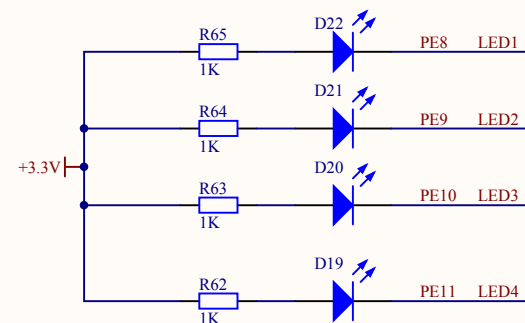
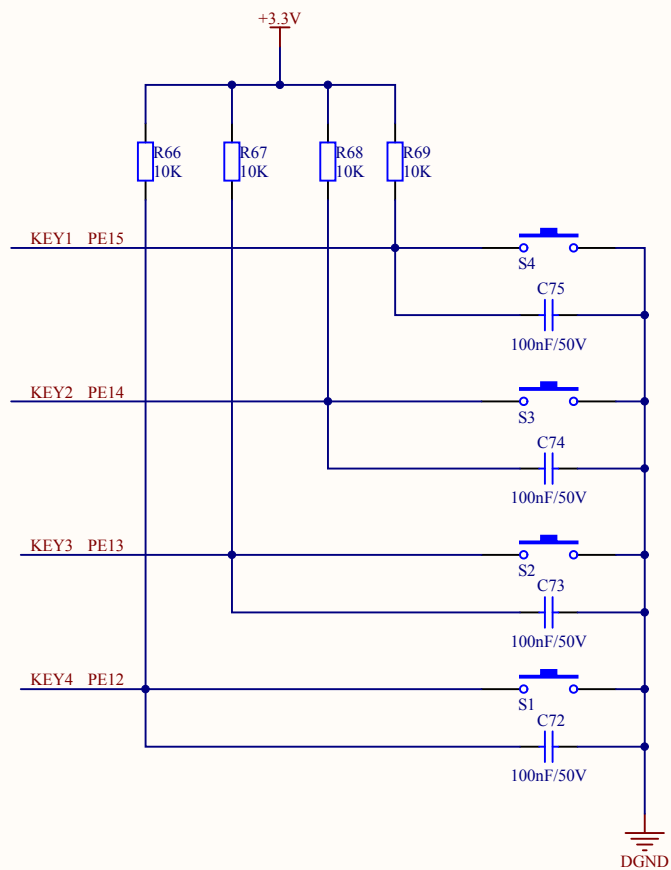
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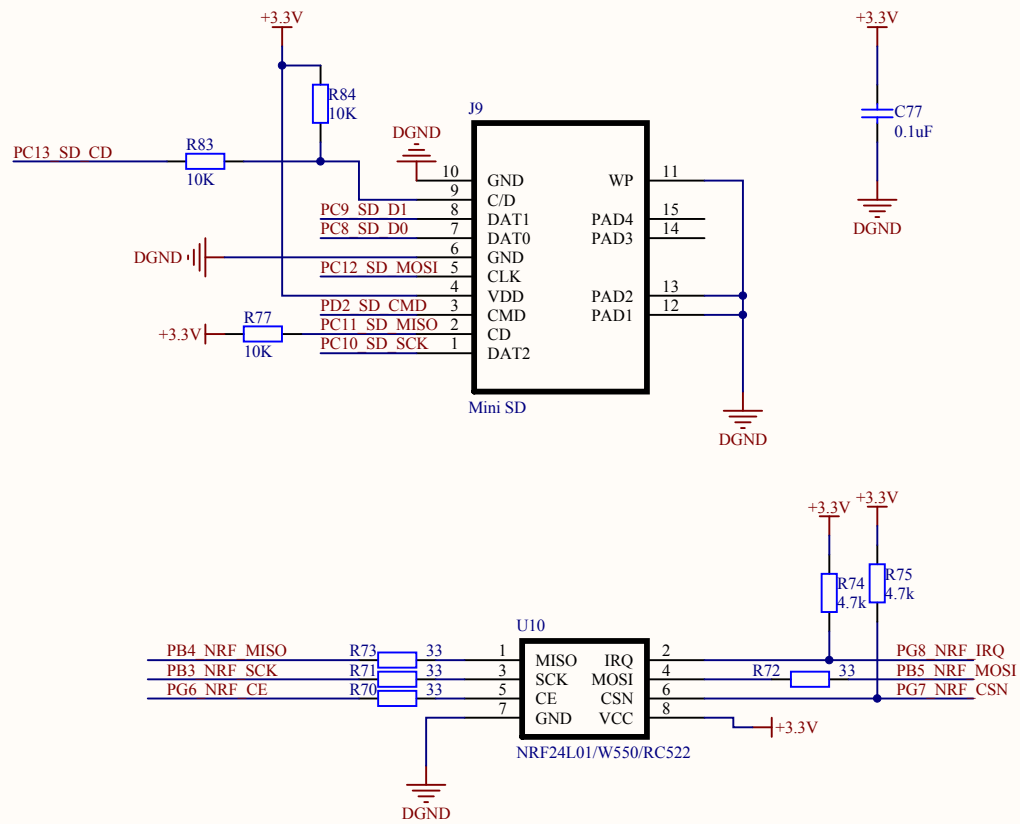
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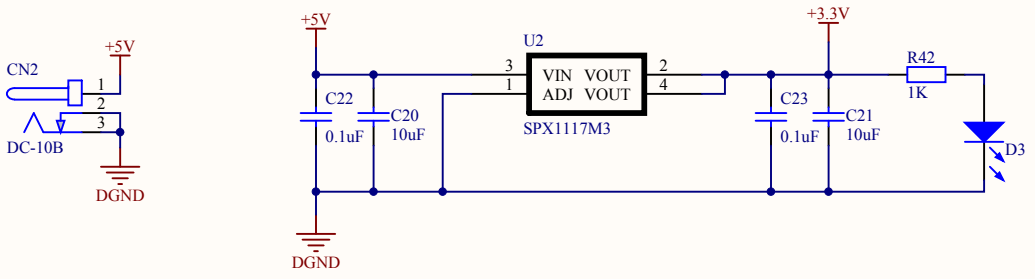
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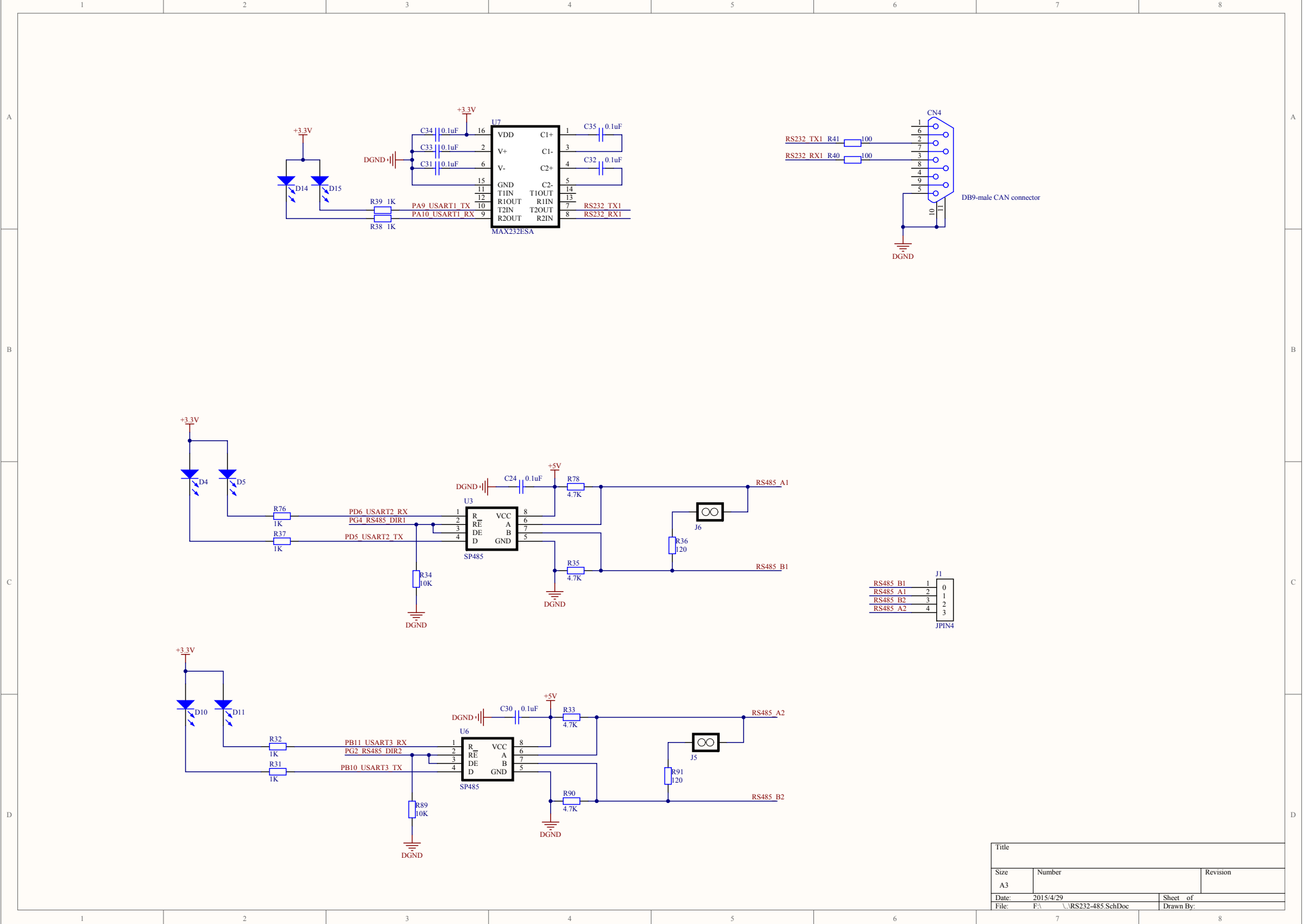
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Date: 2015/4/29	Sheet of	
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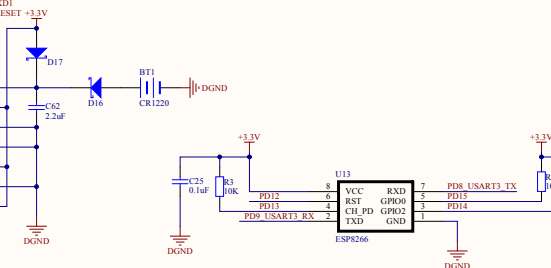
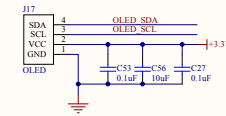
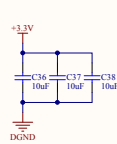


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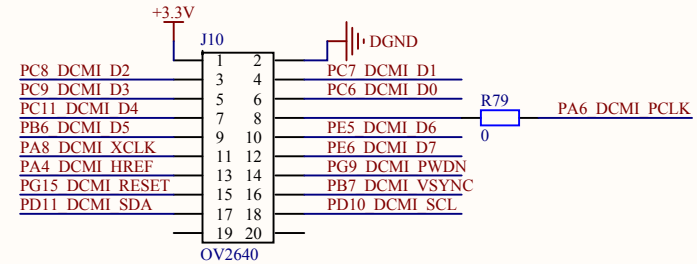
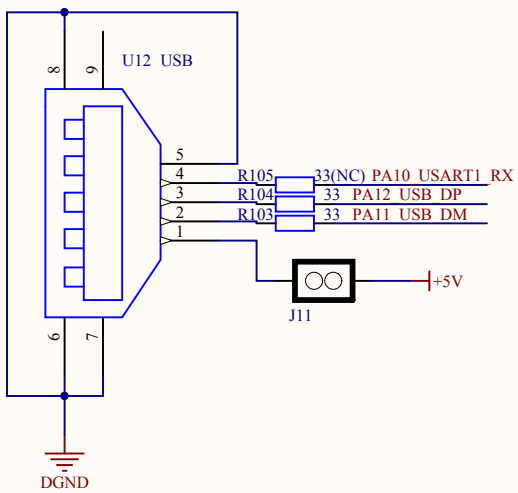
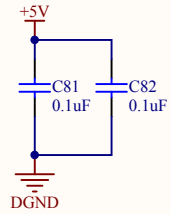
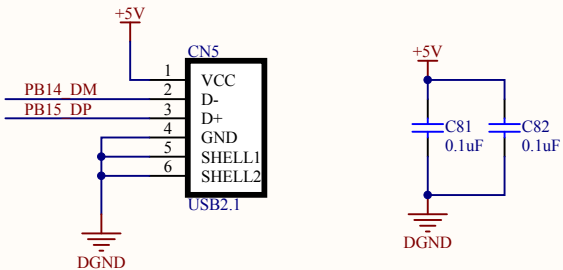


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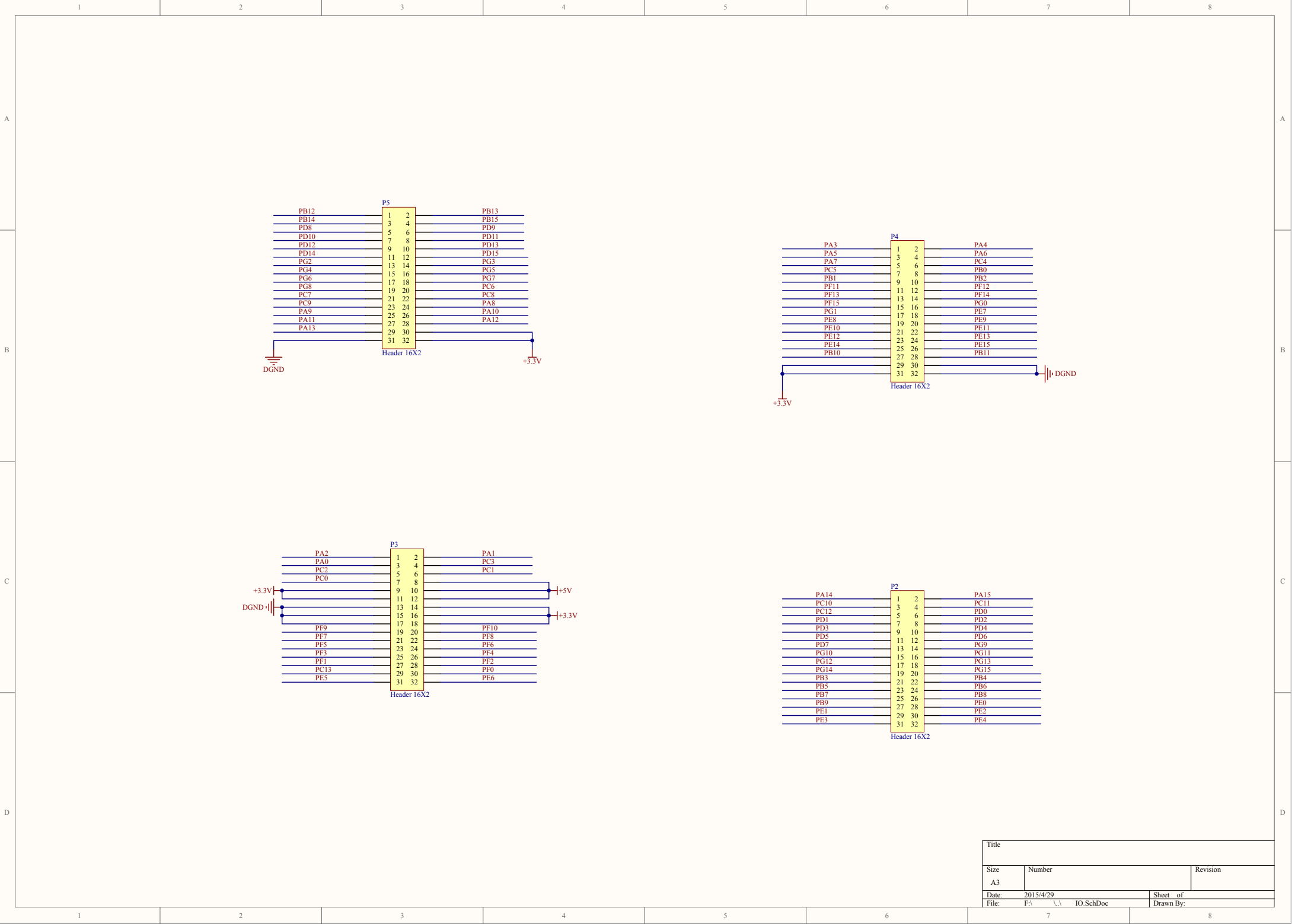




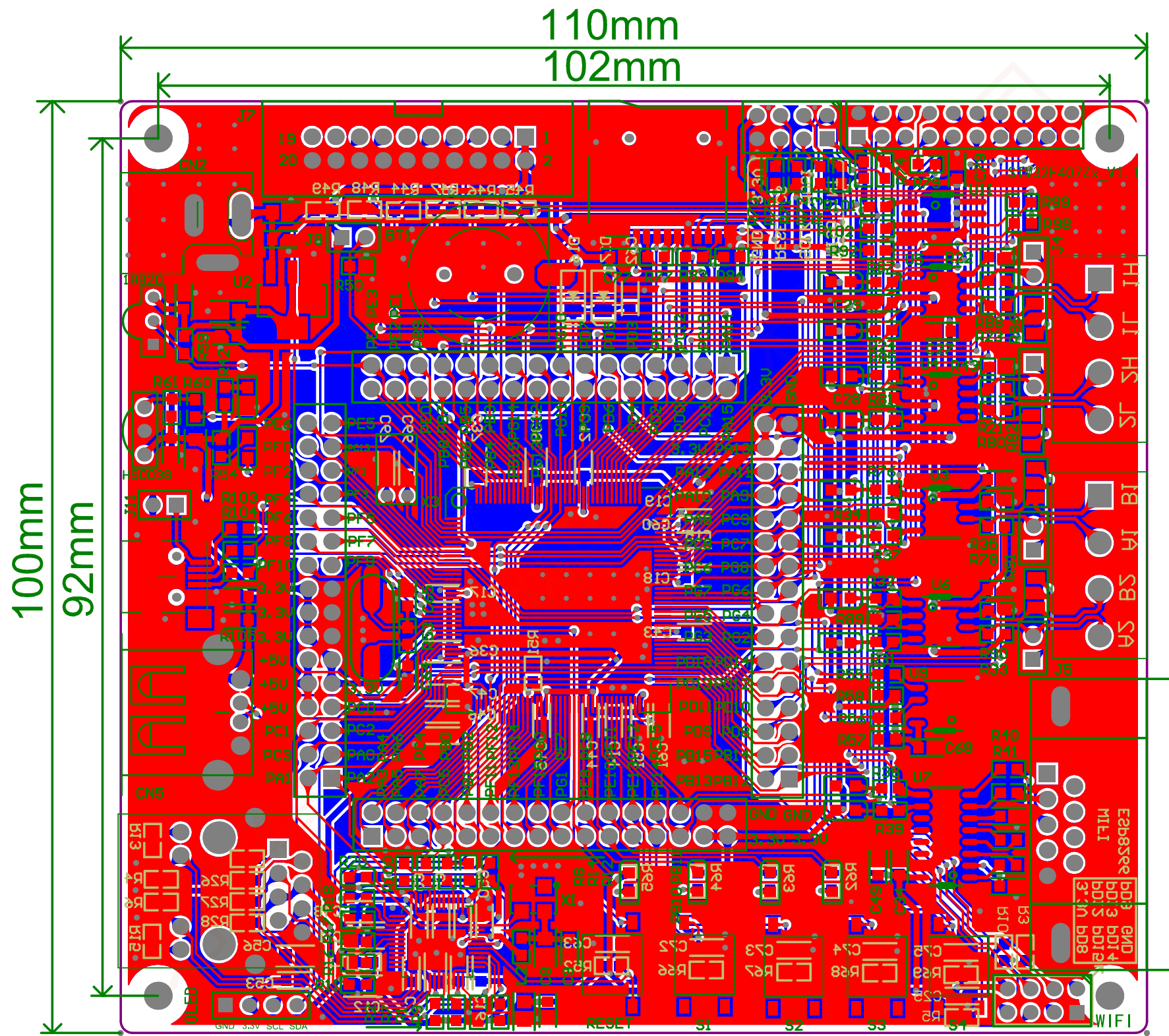
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Title		
Size	Number	Revision
A4		
Date:	2015/4/29	Sheet of
File:	F:\USB OV2640.SchDoc	Drawn By:



Title			
Size	Number		Revision
A3			
Date:	2015/4/29		Sheet of
File:	F:\...\IO.SchDoc		Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
USER	SE PUSHBUTTON	B1	BUTTON	SW PUSHBUTTON	1
CR1220	Battery	BT1	LI1220	BATTERY	1
10uF	C0603, Capacitor	C1, C8, C10, C11, C12, C20, C21, C36, C37, C38, C48, C56, C70	C0805	10uF, Cap	13
0.1uF	C0603, Capacitor	C2, C3, C4, C5, C6, C7, C9, C13, C14, C15, C16, C17, C18, C19, C22, C23, C24, C25, C27, C28, C29, C30, C31, C32, C33, C34, C35, C42, C43, C44, C45, C46, C47, C49, C50, C51, C53, C68, C69, C71, C75, C77, C78, C81, C82	C0603	0.1uF, Cap	45
2.2uF	C0603	C60, C61, C62,	C0603	0.1uF	4
18pF	C0603	C64, C65, C66,	C0603	0.1uF	4
100nF/50V	Capacitor	C72, C73, C74,	C0603	Cap	4
HR911105A		CN1	HR911105A	HR911105A	1
DC-10B		CN2	DC10B	PJ202A	1
DB9-male CAN connector		CN4	DB9/FM	DB9	1
USB2.1	Connector	CN5	USB-B2	USB2.1	1
LED	Typical RED GaAs LED	D3, D4, D5, D6, D7, D8, D9, D10, D11, D14, D15	LED-0805	LED	11
1N4148	Schottky Diode	D16, D17	D1210	D Schottky	2
LED0	Typical INFRARED GaAs	D18, D19, D20, D21, D22	LED-0805	LED0	5
DS18B20	Header, 3-Pin	DS1	DS18B20	Header 3	1
JPIN4		J1, J3	JIEKE2EDG5.08 PIN4	JPIN4	2
2PIN		J2, J4, J5, J6, J8, J11	2PIN	2PIN	6
JATG		J7	HDR2X10	JATG	1
Mini SD		J9	SD	sd	1
OV2640		J10	20pin	HEADER10*2	1
OLED		J17	DIP2.54	OLED	1
220R/2.0A,0.05D CR	Inductor	L1, L2	R0603	47uH	2
HS0038	Header, 3-Pin	P1	HS0038	Header 3	1
Header 16X2	Header, 16-Pin, Dual row	P2, P3, P4, P5	HDR2X16-2.54	Header 16X2	4
4.87K	Resistor	R1	R0603	R0603	1
2.2k	Resistor	R2, R4, R6, R7, R9, R11, R14, R16, R17	R0603	R0603	9
10K	Resistor	R3, R5, R10, R22, R34, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R61, R66, R67, R68, R69, R77, R83, R84, R99	R0603	R0603, Res2	24
33	Resistor	R8, R18, R19, R20, R30, R70, R71, R72, R73, R92, R98, R99, R100, R101,	R0603	R0603	16
1.5k	Resistor	R12	R0603	R0603	1
470	Resistor	R13, R15, R54, R62, R63, R64, R65	R0603	R0603, Res2	7
10	Resistor	R21, R23, R80, R88	R0603	R0603	4
1K	Resistor	R24, R31, R32, R37, R38, R39, R42, R76, R81, R85, R97	R0603	R0603	11
49.9	Resistor	R25, R26, R27, R28	R0603	R0603	4
4.7K	Resistor	R33, R35, R57, R58, R74, R75, R78, R90, R102	R0603	R0603	9
120	Resistor	R36, R52, R86, R91	R1206	R0603, R1206	4
100	Resistor	R40, R41, R55, R56, R60	R0603	R0603, Res2	5
1M	Resistor	R53	R0603	R0603	1
5.1K	Resistor	R59	R0603	Res2	1
0	Resistor	R79	R0603	Res2	1
33(NC)	Resistor	R105	R0603	R0603	1
SW-PB	Switch	S1, S2, S3, S4	BUTTON	SW-PB	4
DP83848IVV		U1	LQFP48	DP83848IVV	1
SPX1117M3		U2	SOT223	SPX1117M3	1
SP485		U3, U6	SO8	MAX485	2
TJA1050		U4, U5	SO8	PCA82C251T	2
MAX232ESA		U7	SO16	max232	1
STM32F407ZET6	STM32F407ZET6	U8	LQFP144	STM32F407ZET6	1
AT24C02BN		U9	SO8	AT24C02BN-SH-	1
NRF24L01/W550/ RC522		U10	NRF24L01	NRF24L01	1
SST25VF016B		U11	SST25VF040B	SST25VF080B	1
USB		U12	USB/S	USB0	1
ESP8266		U13	NRF24L01	ESP8266	1
50Mhz		X1	OSC5032	有源晶振	1
25.0MHZ	Crystal	X2	OSC2PFR_SMD	CRYSTAL	1
32.768Khz	Crystal	X3	32.768	CRYSTAL	1