

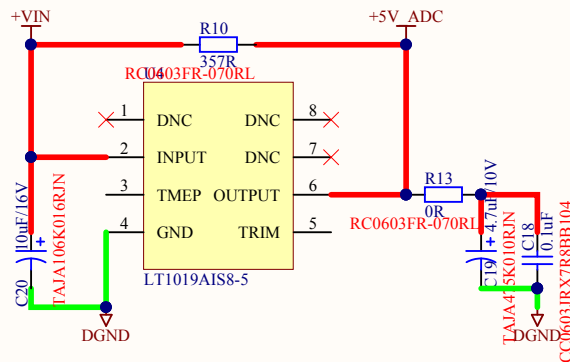
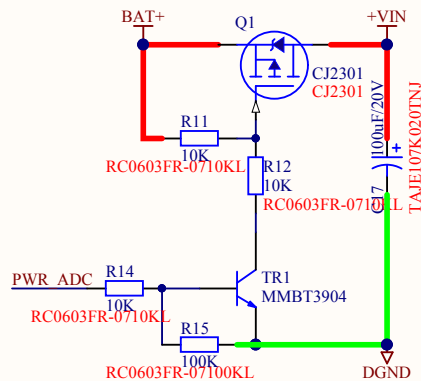
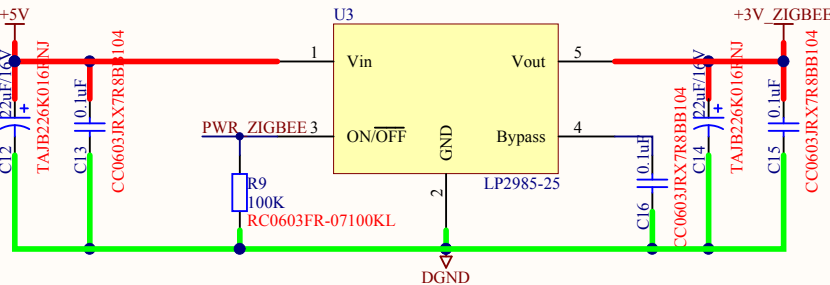
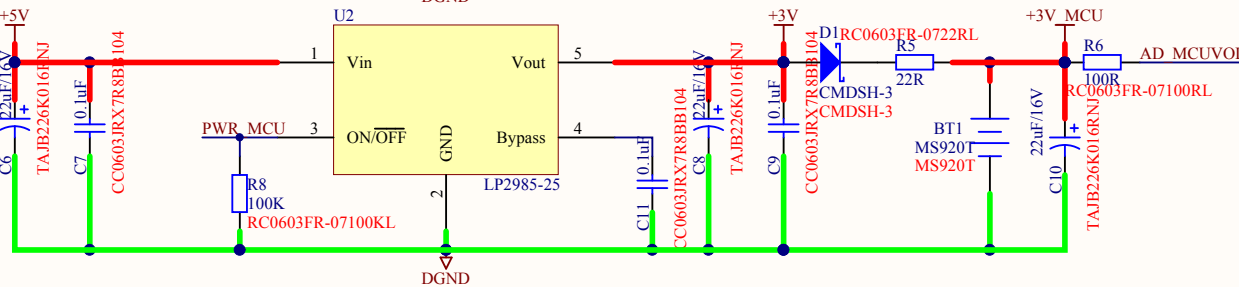
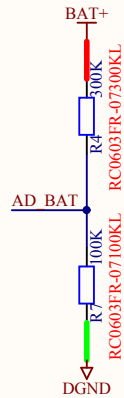
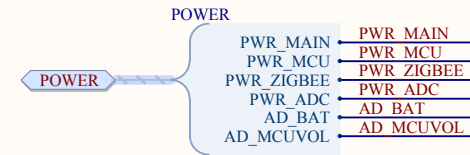
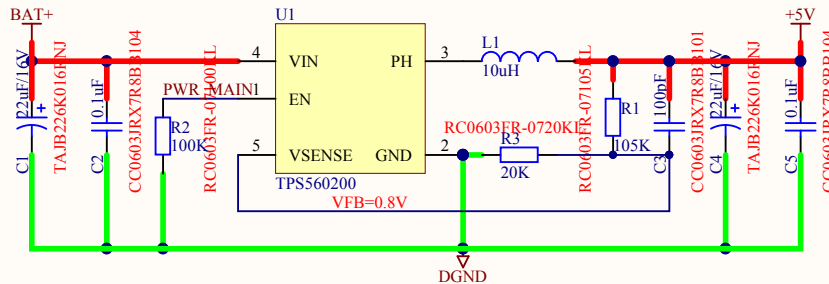
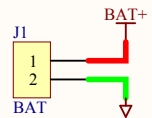
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	原理图名:	RD15002_SingleSCT.SchDoc
	文件版本:	A1.0.0
	绘 制:	邓勇杰
	审 核:	
第 1 页, 共 10 页	日 期:	2015/12/30

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Cannot open file D:\Manage\VI\深圳大铁检测 装备技术有限公司 转换].png	工程名:	RD15002_SingleSCT.PrjPcb
	原理图名:	1-POWER.SchDoc
	文件版本:	A1.0.0
	绘 制:	邓勇杰
	审 核:	
第 2 页, 共 10 页		日 期: 2015/12/30

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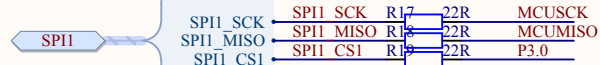
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VW_CTRL



SPI1



RC0603FR-07022RL
RC0603FR-07022RL
RC0603FR-07022RL

ZIGBEE

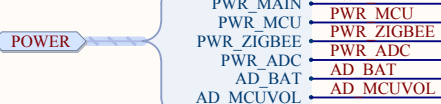


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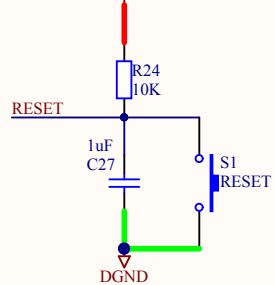
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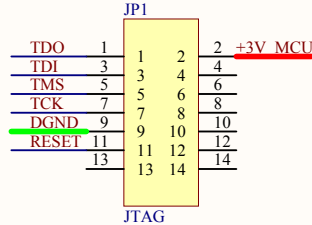
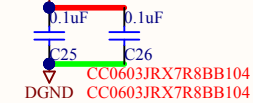
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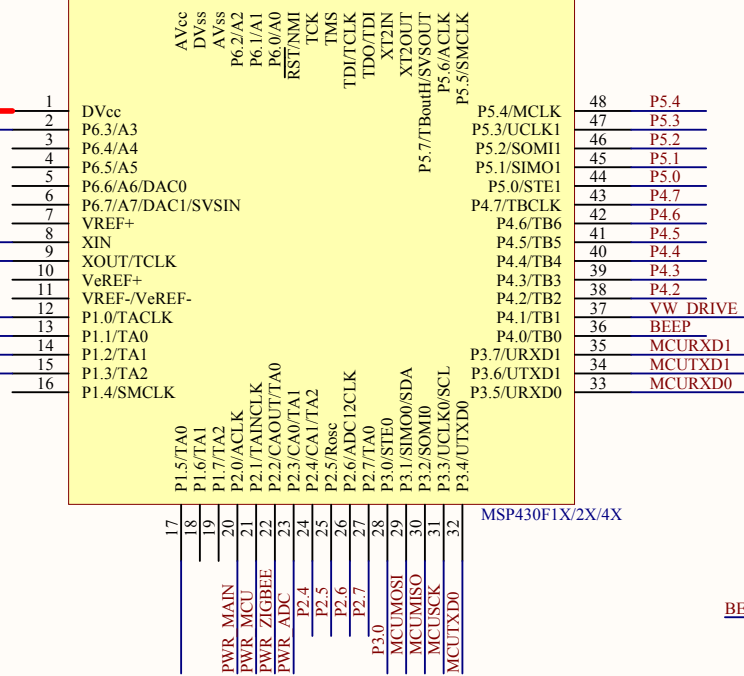
+3V_MCU



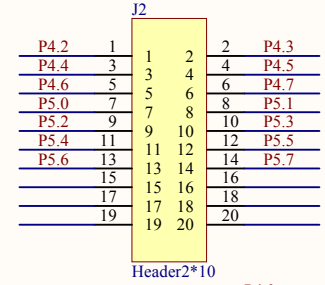
+3V_MCU



U5



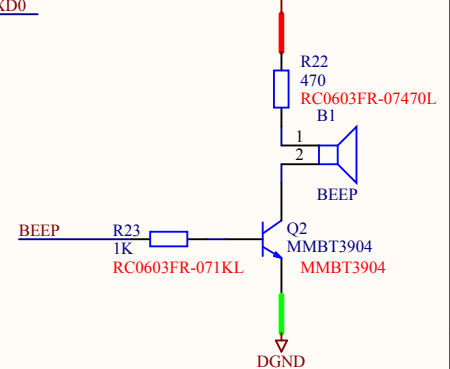
MSP430F1X/2X/4X



Header2*10

P4.0

+5V



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装备技术有限公司
转换].png

第 3 页, 共 10 页

工程名:	RD15002_SingleSCT.PrjPcb
原理图名:	2-MCU.SchDoc
文件版本:	A1.0.0
绘制:	邓勇杰
审核:	
日期:	2015/12/30

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A

A

B

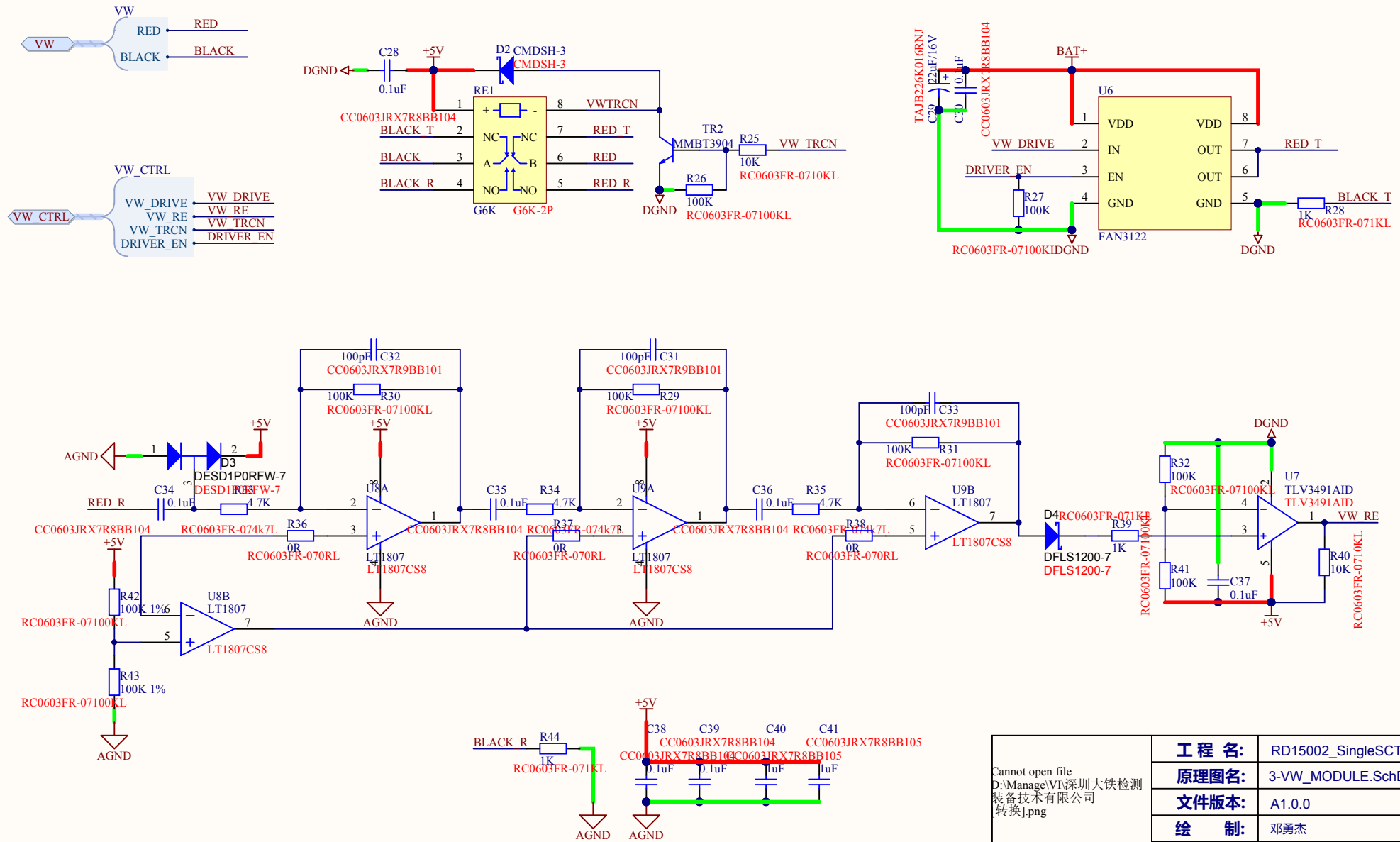
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C

C

D

D

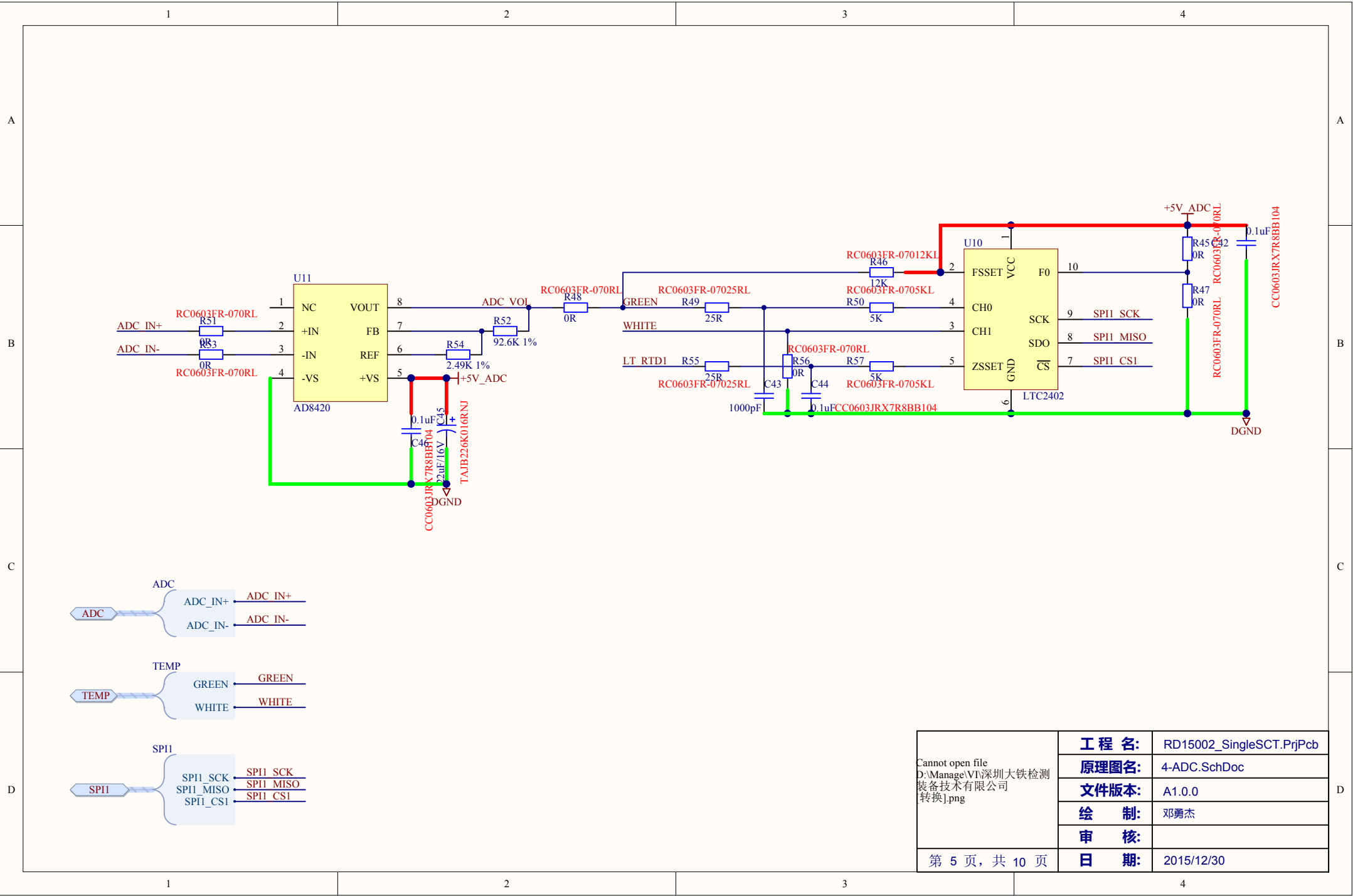


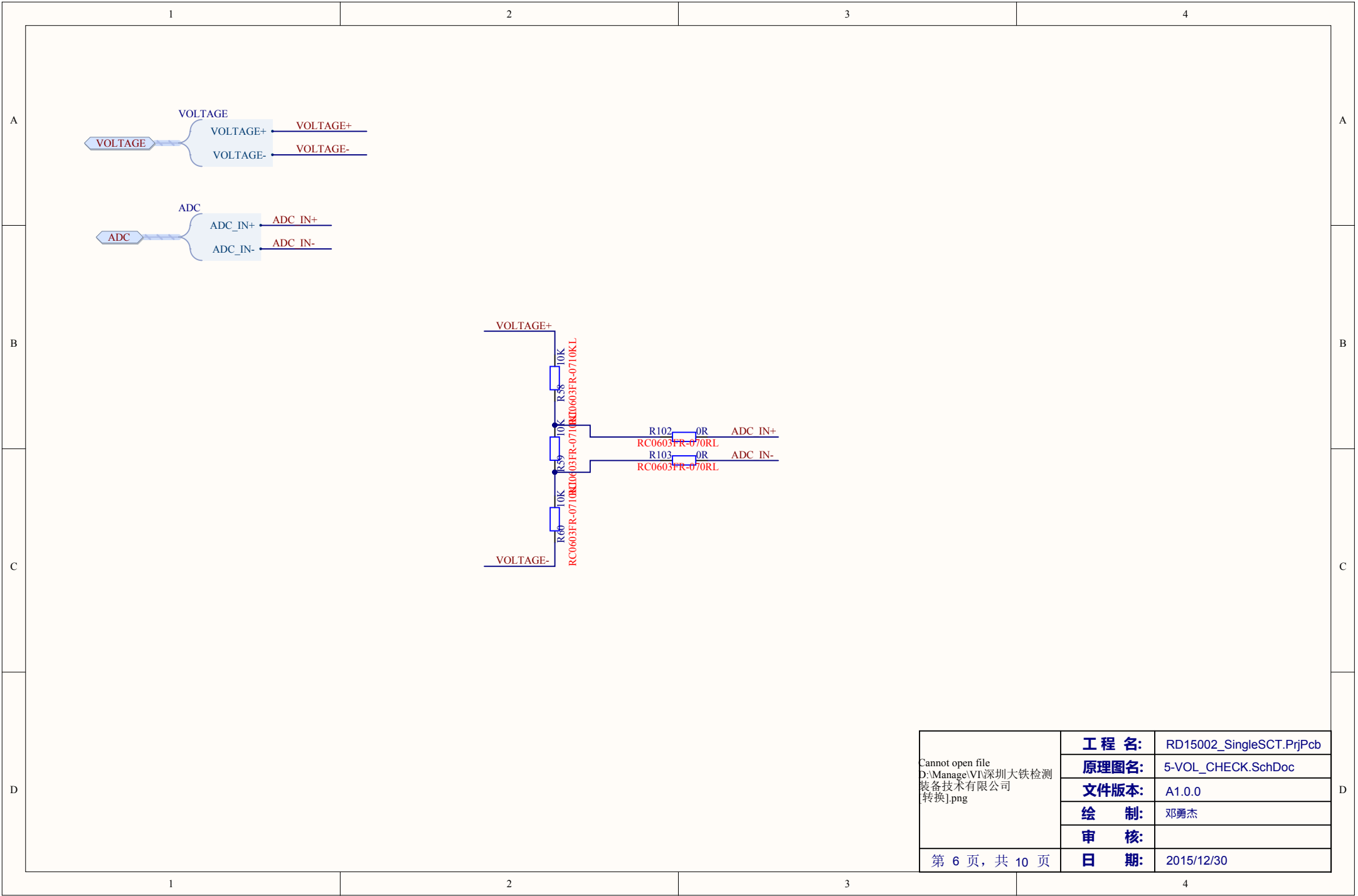
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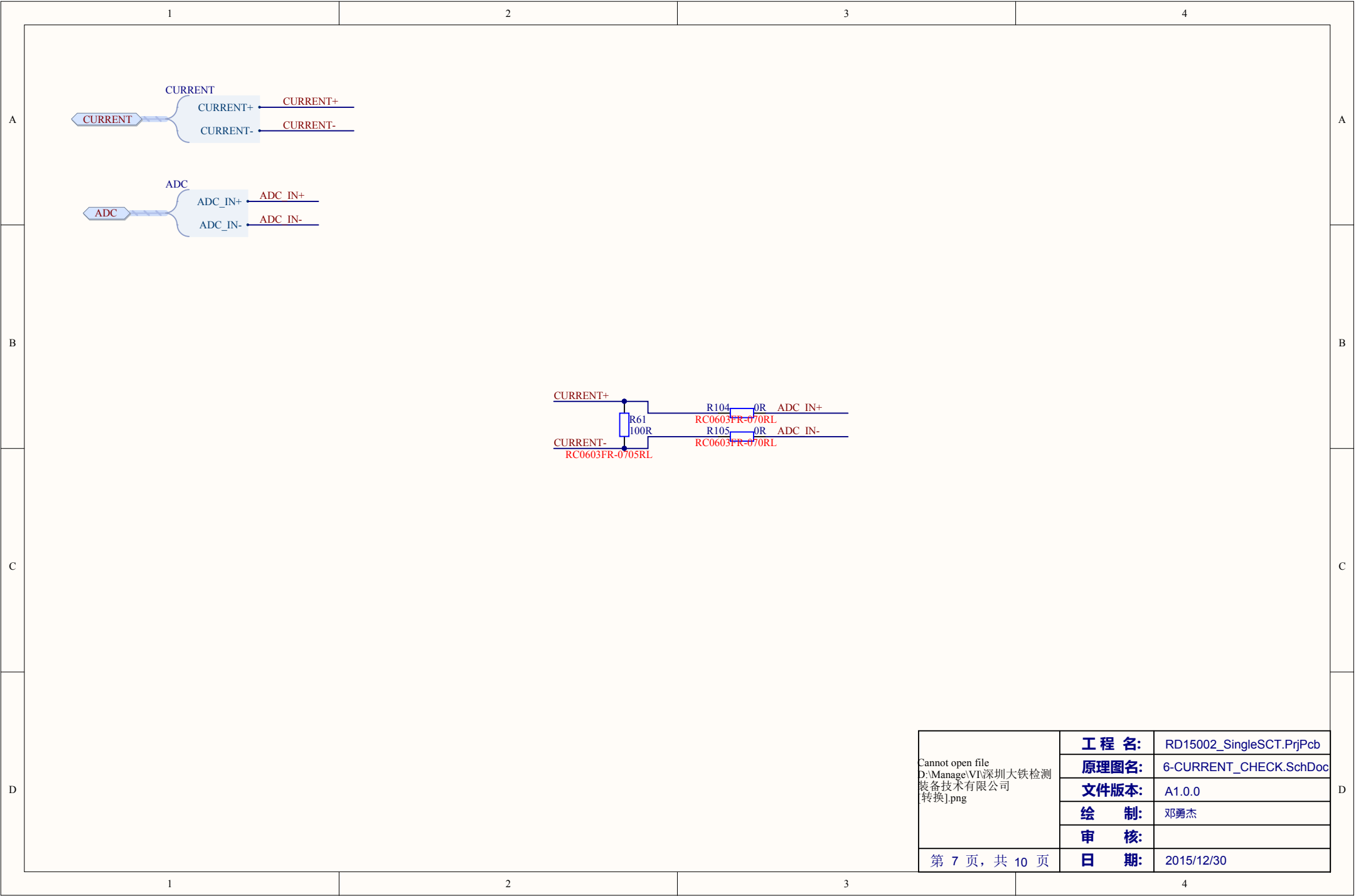
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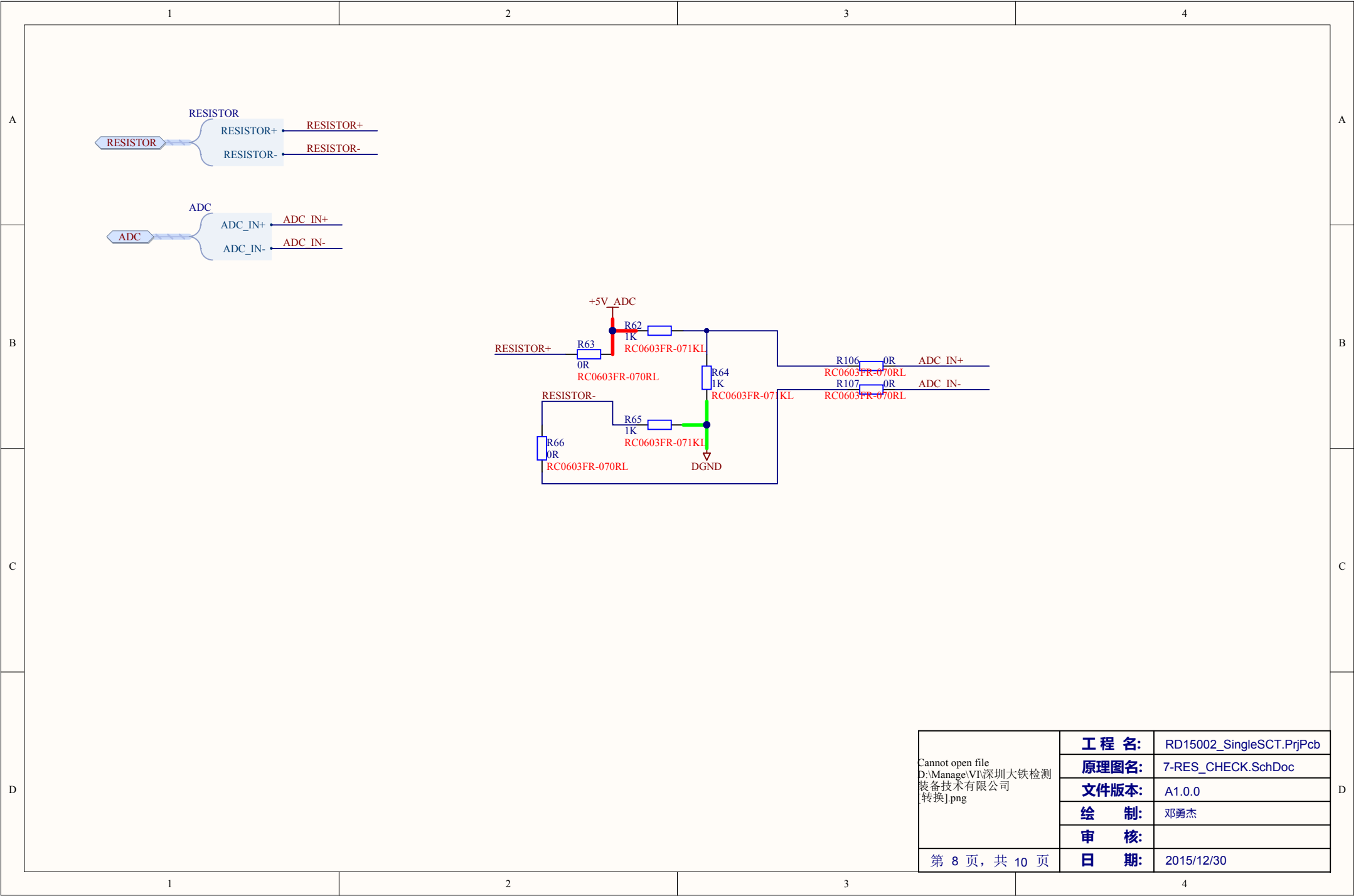
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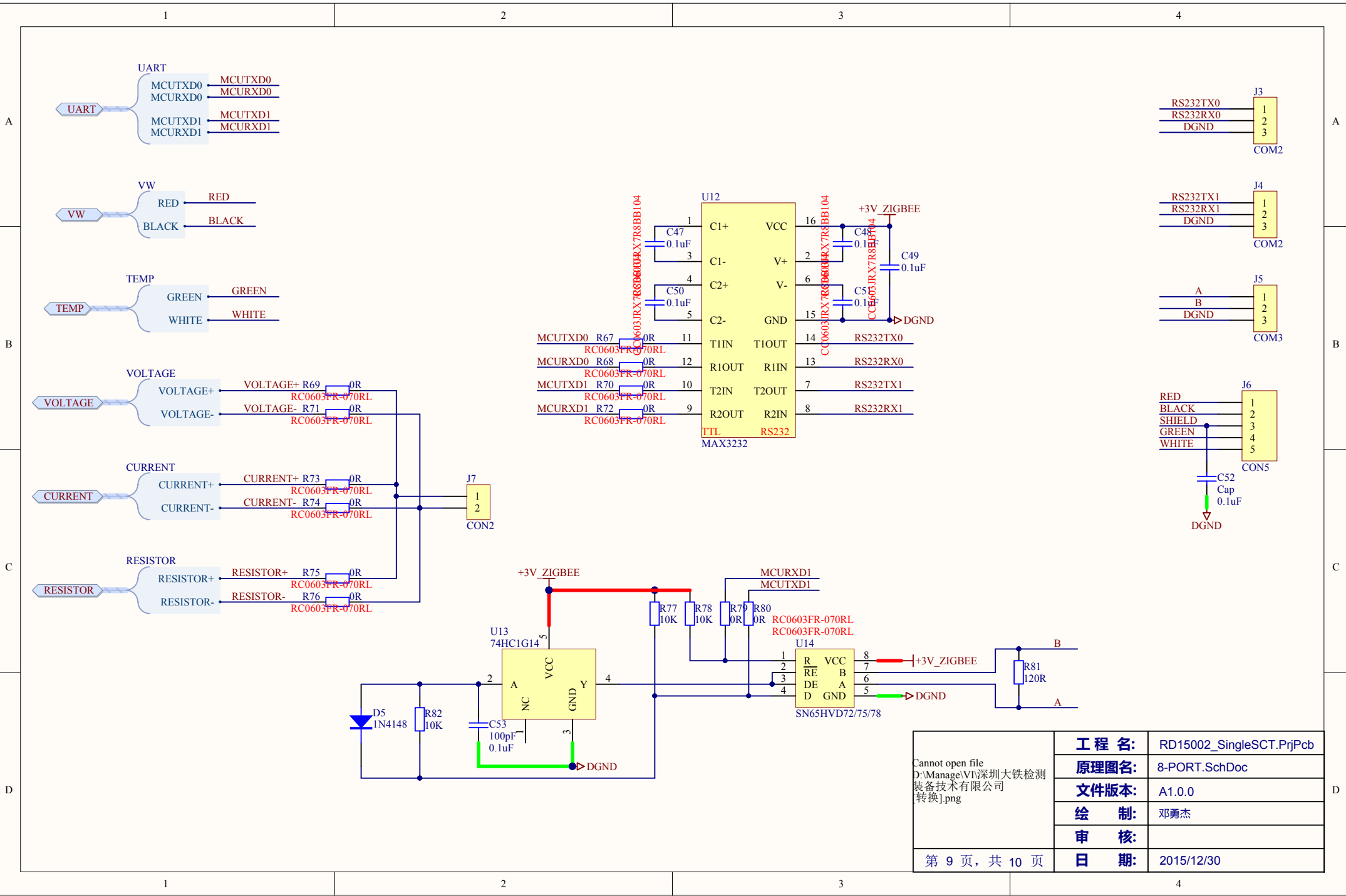
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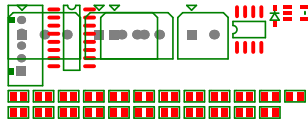
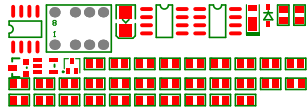
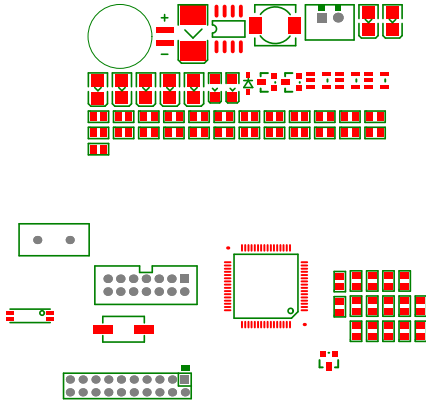
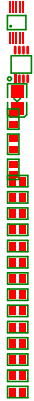
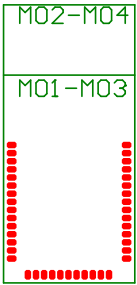
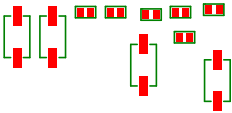
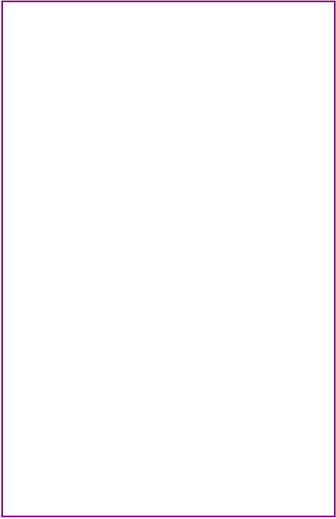


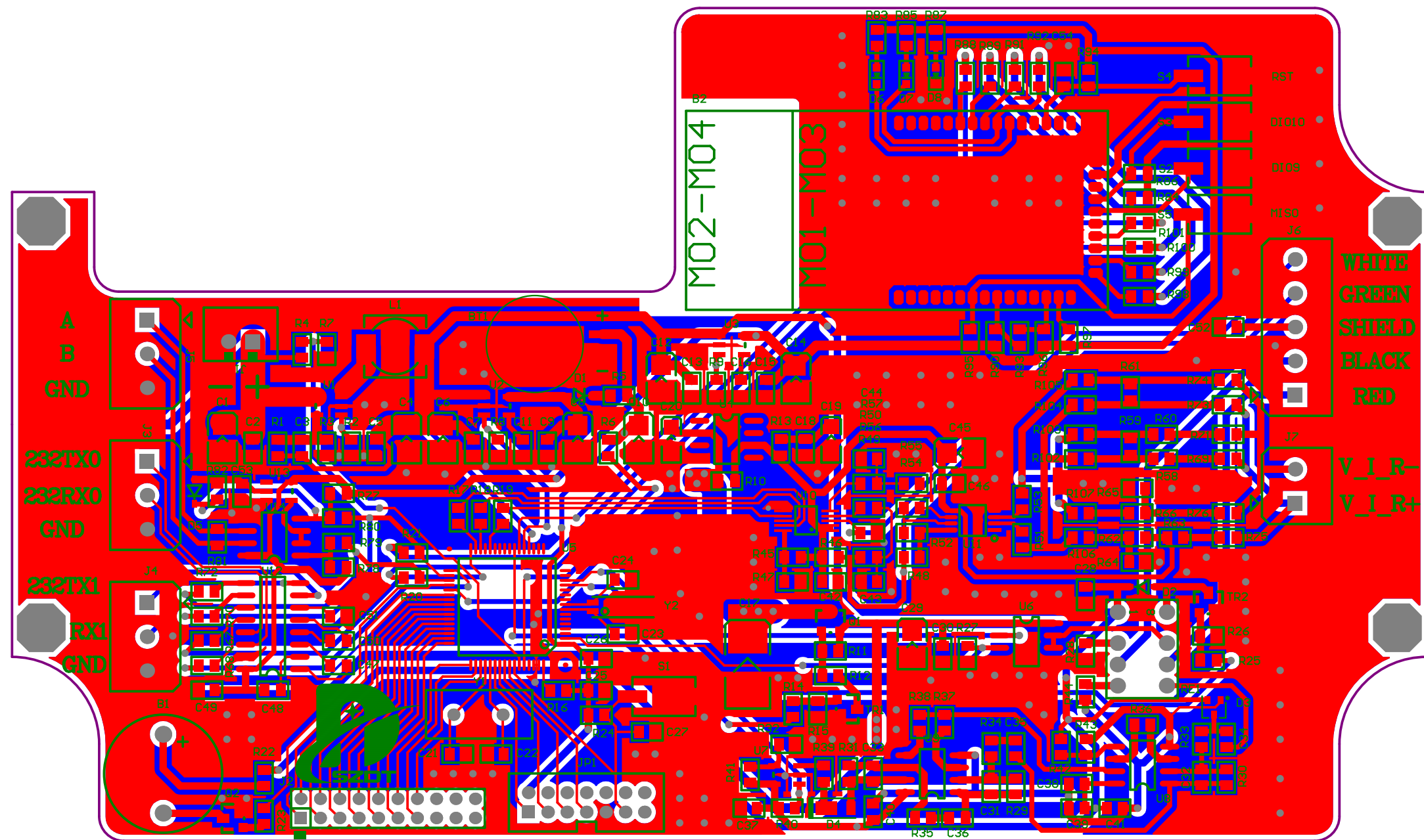












Bill of Materials

RD15002_SingleSCT.PrjPcb

Source Data From: RD15002_SingleSCT.PrjPcb
Project: RD15002_SingleSCT.PrjPcb
Variant: None

Creation Date: 2015/12/30 星期: 15:03:55
Print Date: 42368 42368.62783

Footprint	Comment	LibRef	Designator	Description	Quantity
BUZZER-5V	BEEP	BEEP	B1		1
JN5139	JN5139	JN5139	B2		1
MS920T	MS920T	Battery	B11	Multicell Battery	1
CB3528	22uF/16V	Cap Pol1	C1, C4, C6, C8, C10, C12, C14, C29, C45	Polarized Capacitor (Radial)	9
CC0603	0.1uF	Cap	C2, C5, C7, C9, C11, C13, C15, C16, C18, C25, C26, C28, C30, C34, C35, C36, C37, C38, C39, C42, C44, C46, C47, C48, C49, C50, C51	Capacitor	27
CC0603	100pF	Cap	C3, C31, C32, C33, C53	Capacitor	5
CD7343	100uF/20V	Cap Pol3	C17	Polarized Capacitor (Surface Mount)	1
CA3216	4.7uF/10V	Cap Pol1	C18	Polarized Capacitor (Radial)	1
CA3216	10uF/16V	Cap Pol1	C20	Polarized Capacitor (Radial)	1
CC0603	22pF	Cap	C21, C22, C23, C24	Capacitor	4
CC0603	1uF	Cap	C27, C40, C41, C54	Capacitor	4
CC0603	1000pF	Cap	C43	Capacitor	1
CC0603	Cap	Cap	C52	Capacitor	1
SOD323	CMDSH-3	D Schottky	D1, D2	Schottky Diode	2
SOT-323	DESD1P0RFW-7	BAV99W1TG	D3	TVS DIODE,70V VWM,8VC,SOT-323	1
powerDH123	DFLS1200-7	DFLS1200-7	D4	Diode, Schottky, 200V, 1A, PowerDH123	1
SOD323	1N4148	DIODE	D5		1
D0603	LED	LED	D6, D7, D8		3
CON2-2.54MM	BAT	SIP2	J1	jointbar	1
IDC20-2.0MM	Header2*10	Header2*10	J2		1
ECH350H-3P	COM2	SIP3	J3, J4	jointbar	2
ECH350H-3P	COM3	SIP3	J5	jointbar	1
ECH350H-5P	CON5	Header 5	J6	Header, 5-Pin	1
ECH350H-2P	CON2	SIP2	J7	jointbar	1
IDC14-2.0MM	JTAG	Header2*7	JP1		1
SLF6025	10uH	Inductor	L1	Inductor	1
SOT-23W	CJ2301	P-MOSFET1	Q1		1
SOT-23W	MMBT3904	NPN	Q2, TR1, TR2		3
CC0603	105K	Res2	R1	Resistor	1
CC0603	100K	Res2	R2, R7, R8, R9, R15, R26, R27, R29, R30, R31, R32, R41	Resistor	12
CC0603	20K	Res2	R3	Resistor	1
CC0603	300K	Res2	R4	Resistor	1
CC0603	22R	Res2	R5, R16, R17, R18, R19	Resistor	5
CC0603	100R	Res2	R6, R61	Resistor	2
CC0603	357R	Res2	R10	Resistor	1
CC0603	10K	Res2	R11, R12, R14, R24, R25, R40, R58, R59, R60, R77, R78, R82, R94, R95	Resistor	14
CC0603	0R	Res2	R13, R20, R21, R36, R37, R38, R45, R47, R48, R51, R53, R56, R63, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R79, R80, R88, R89, R91, R92, R93, R98, R99, R100, R101, R102, R103, R104, R105, R106, R107	Resistor	41
CC0603	470	Res2	R22	Resistor	1
CC0603	1K	Res2	R23, R28, R39, R44, R62, R64, R65	Resistor	7
CC0603	4.7K	Res2	R33, R34, R35	Resistor	3
CC0603	100K 1%	Res2	R42, R43	Resistor	2
CC0603	12K	Res2	R46	Resistor	1
CC0603	25R	Res2	R49, R55	Resistor	2
CC0603	5K	Res2	R50, R57	Resistor	2
CC0603	92.6K 1%	Res2	R52	Resistor	1
CC0603	2.49K 1%	Res2	R54	Resistor	1
CC0603	120R	Res2	R61	Resistor	1
CC0603	200R	Res2	R83, R85, R87	Resistor	3
CC0603	2.2K	Res2	R84, R86, R90, R96, R97	Resistor	5
G8K	G8K	G8K	SE1		1
SPST	RESET	SW-PB	S1	Switch	1
SPST	SW-PB	SW-PB	S2, S3, S4, S5	Switch	4
SOT-23-5	TPS560200	TPS560200	U1		1
SOT-23-5	LP2985-25	LP2985	U2, U3		2
SO-8	LT1019AIS8-5	LT1019AIS8-5	U4		1
LQFP64	MSP430F1X2W	MSP430F1X2W	U5		1
SO-8	FAN5122	FAN5122	U6		1
SOT-23-5	TLV3491AID	TLV3491AID	U7		1
SO-8	LT1807	LM833N	U8, U9		2
MS10	LTC2402	LTC2402	U10		1
MSOP8	AD8420	AD8420	U11		1
SO-16	MAX3232	MAX3232	U12	communication IC	1
SOT-23-5	74HC1G14	74HC1G14	U13		1
SO-8	SN65HVD72/75	SN65HVD72/75	U14		1
XCYAI	1M	XTAL	Y1	Crystal Oscillator	1
MC-146	32.768KHz	MC-146	Y2		1

Approved	Notes