

1

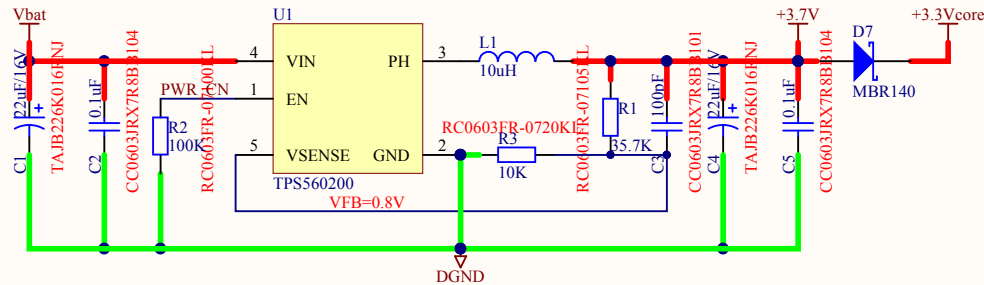
2

3

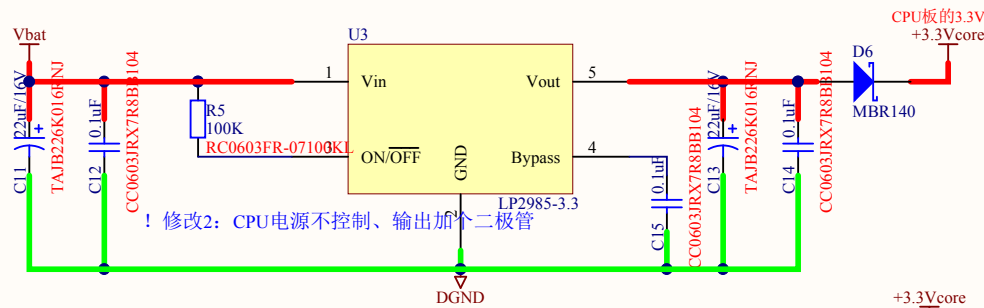
4

PWR_CTRL

PWR_CN
COLL_PWR_CN
CORE_PWR_CN

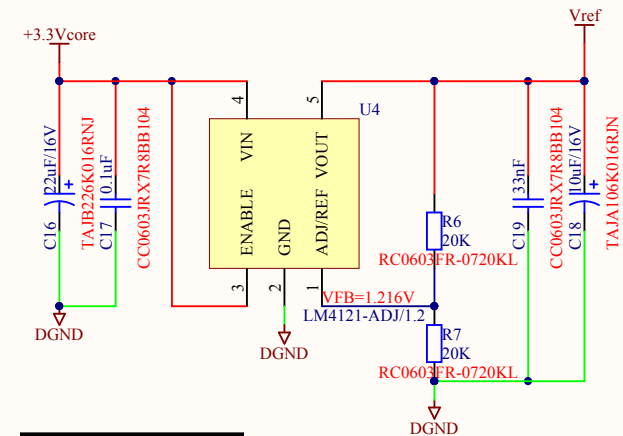
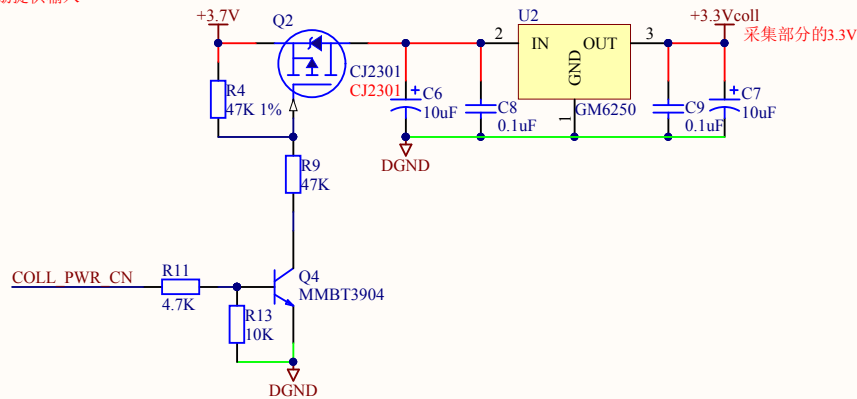
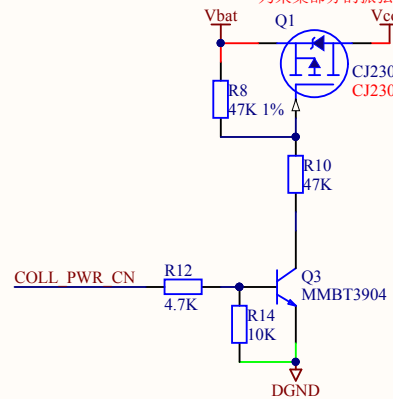


! 修改1: 电源输入改为VBAT



! 修改2: CPU电源不控制、输出加个二极管

为采集部分的振荡激励提供输入



工程名:

*

原理图名:

1_Power_Supply.SchDoc

文件版本:

*

绘制:

*

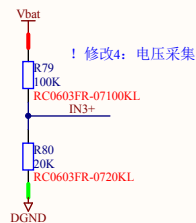
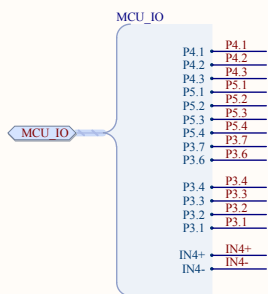
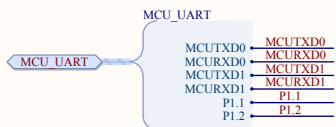
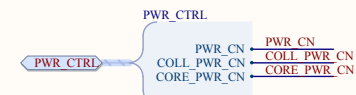
审核:

日期:

2016/4/19

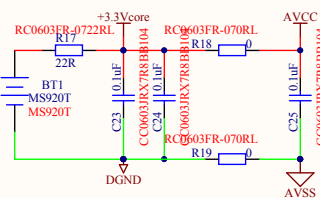
第 * 页, 共 * 页

A

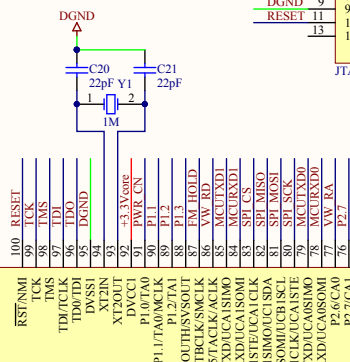


! 修改3: 10、11、19、20、21引脚的改变

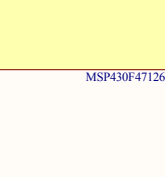
! 修改4: 电压采集



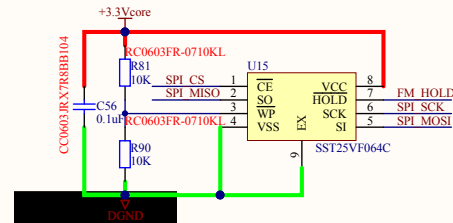
IN0+	1	A0.0+
IN0-	2	A0.0-
IN1+	3	A1.0+
IN1-	4	A1.0-
IN2+	5	A2.0+
IN2-	6	A2.0-
AVSS	7	AVSS
AVCC	8	AVCC
Vref	9	VREF
IN3+	10	A3.0+
IN3-	11	A3.0-
IN4+	12	A4.0+
IN4-	13	A4.0-
IN5+	14	A5.0+
IN5-	15	A5.0-
NC	16	NC
NC	17	NC
DGND	18	DGND
CORE_PWR_CN	19	AVSS
P10.3/S0	20	P10.3/S0
P10.2/S1	21	P10.2/S1
P10.1/S2	22	P10.1/S2
P10.0/S3	23	P10.0/S3
P9.7/S4	24	P9.7/S4
P9.6/S5	25	P9.6/S5
COLL_PWR_CN	26	P9.5/S6



P3.0/UCB0STE/UCAOCLK	75	P3.0
P3.1/UCB0SIMO/UCB0SDA	74	P3.1
P3.2/UCB0SOMI/UCB0SCL	73	P3.2
P3.3/UCB0CLK/UCAO8TE	72	P3.3
P3.4/TA2/S39	71	P3.4
P3.5/TB0/S38	70	VW_DRIVE
P3.6/TB1/S37	69	P3.6
P3.7/TB2/S36	68	P3.7
DVSS2	67	DGND
XOUT	66	DGND
XIN	65	DGND
DVCC2	64	+3.3Vcore
LCDCA/R33	63	LCDCA/R33
P5.7/R23	62	P5.7
P5.6/LCDREF/R13	61	P5.6
P5.5/R03	60	P5.5
P5.4/COM3	59	P5.4
P5.3/COM2	58	P5.3
P5.2/COM1	57	P5.2
P5.1/COM0	56	P5.1
P5.0/SVIN	55	P5.0
P4.0/CAOUT/S35	54	P4.0
P4.1/DMAE0/S34	53	P4.1
P4.2/S33	52	P4.2
P4.3/S32	51	P4.3



! 修改9: 加SPI Flash



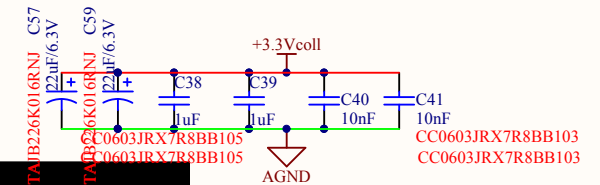
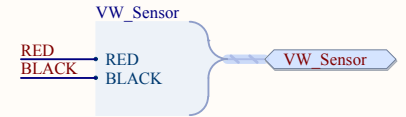
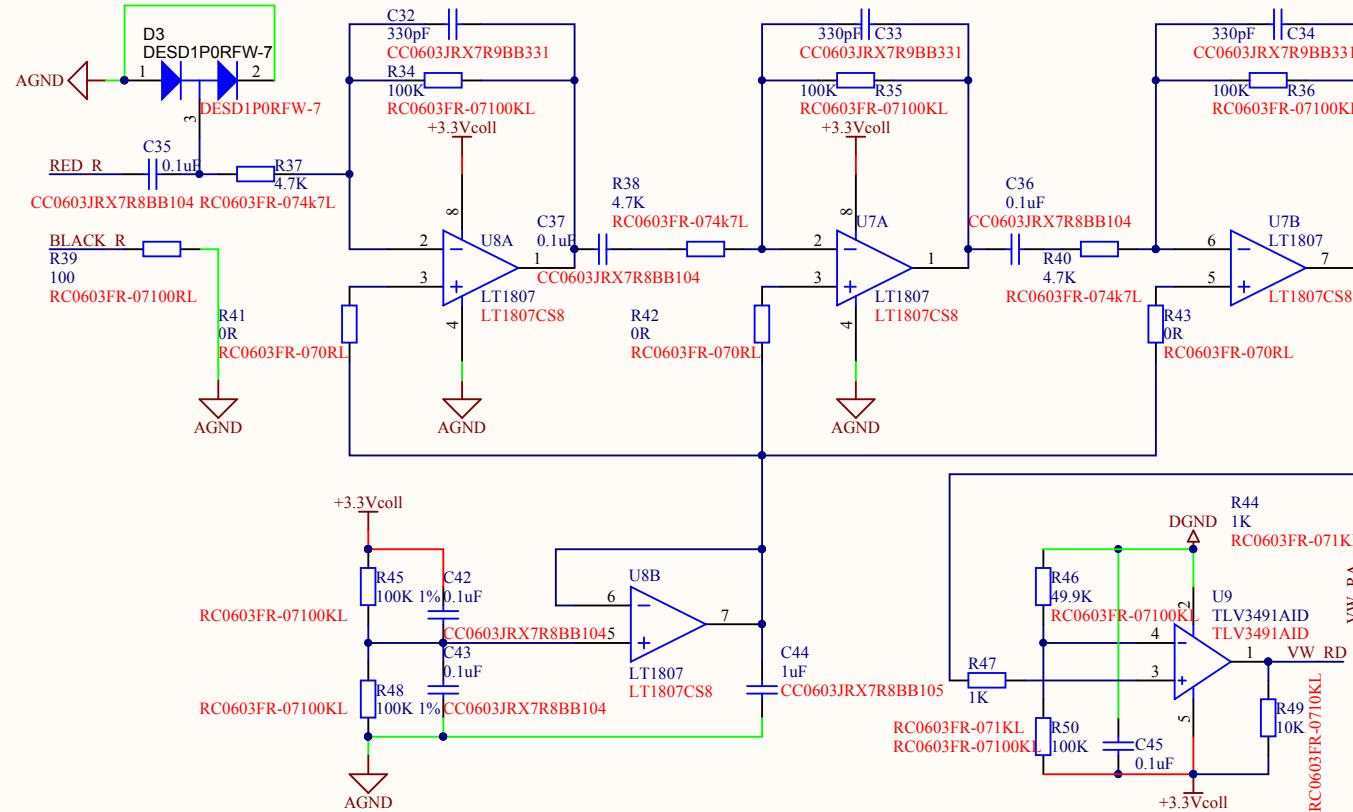
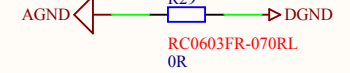
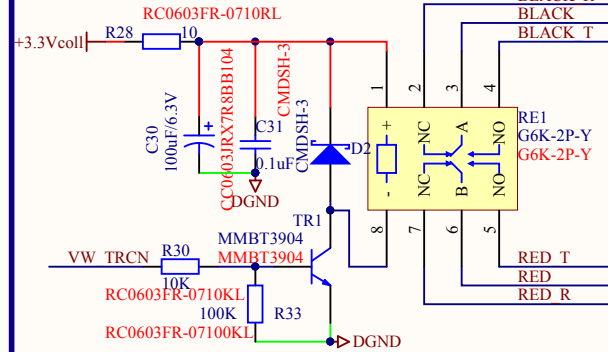
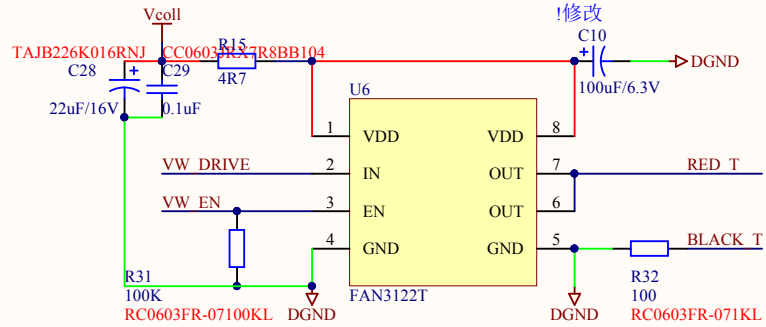
工程名:	*
原理图名:	2_MCU_MSP430.SchDoc
文件版本:	*
绘制:	*
审核:	*
日期:	2016/4/19

1

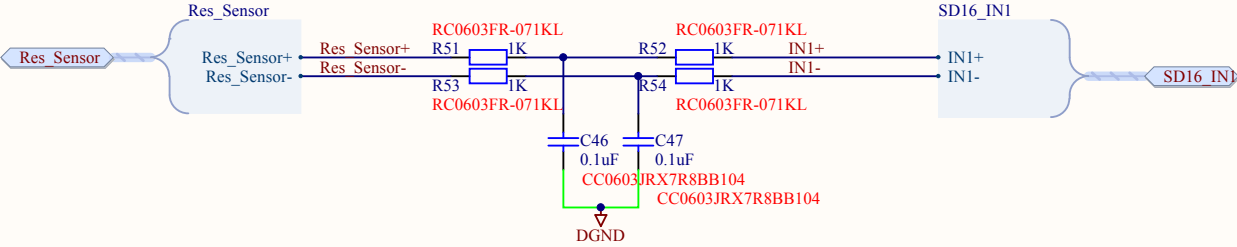
2

3

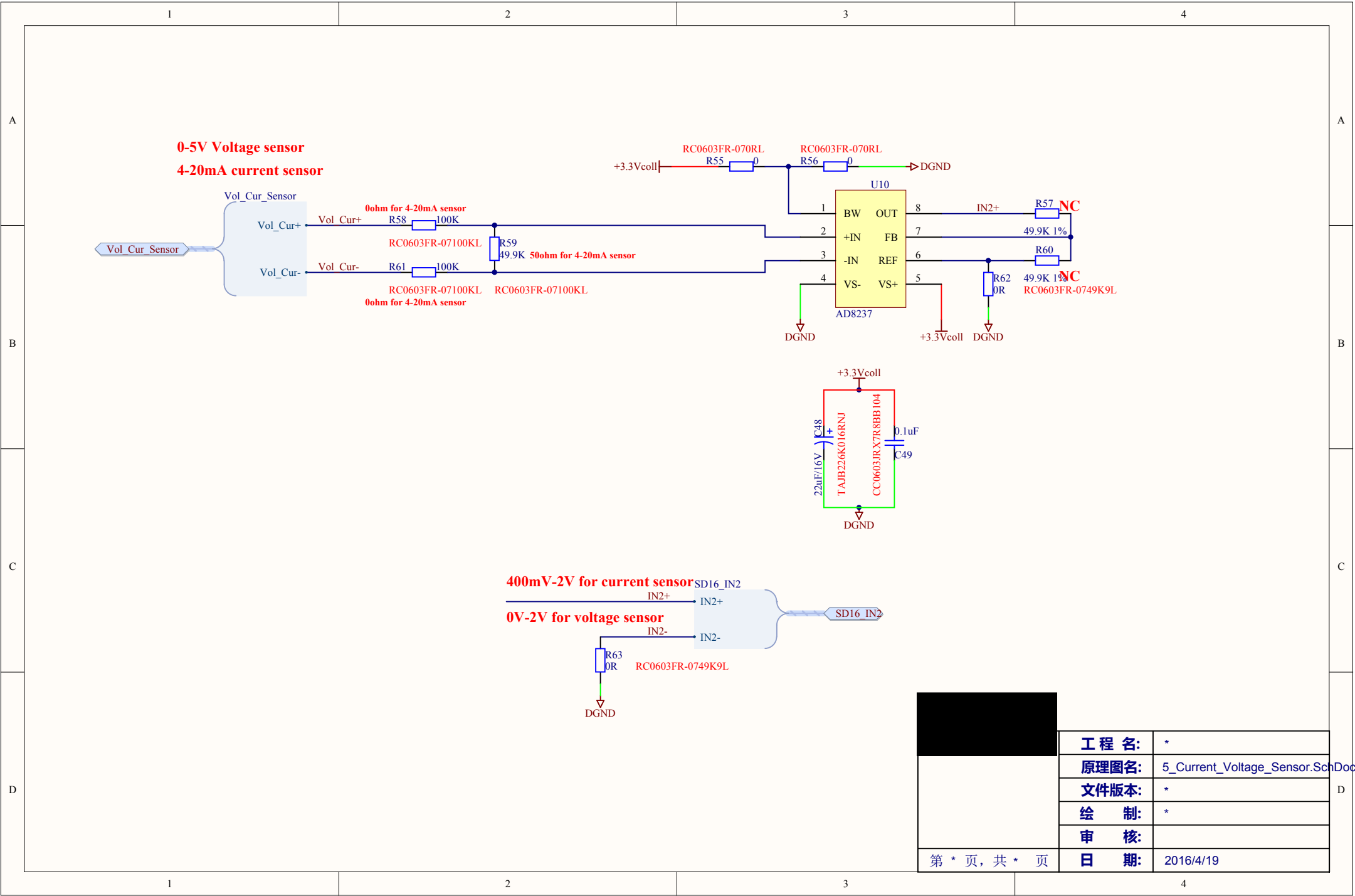
4

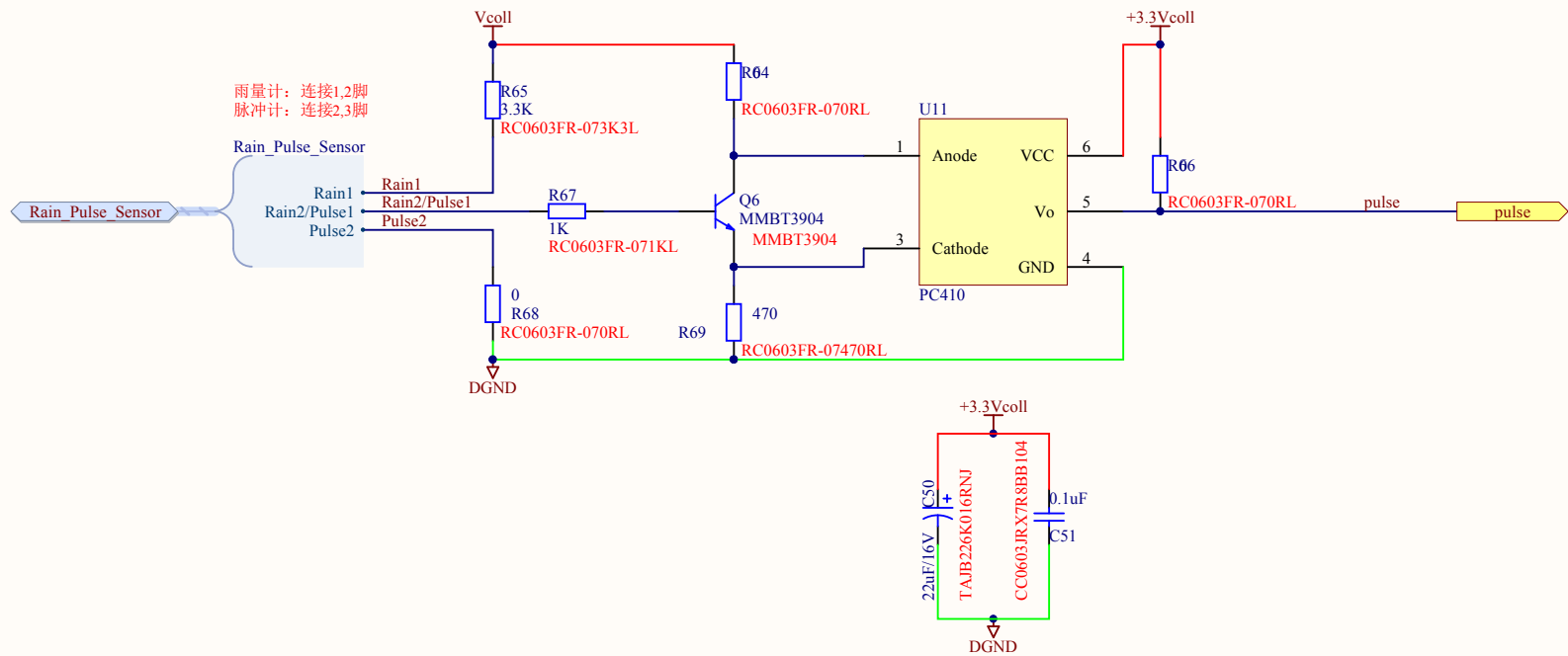


工程名:	*
原理图名:	3_VW_Sensor.SchDoc
文件版本:	*
绘制:	*
审核:	
日期:	2016/4/19



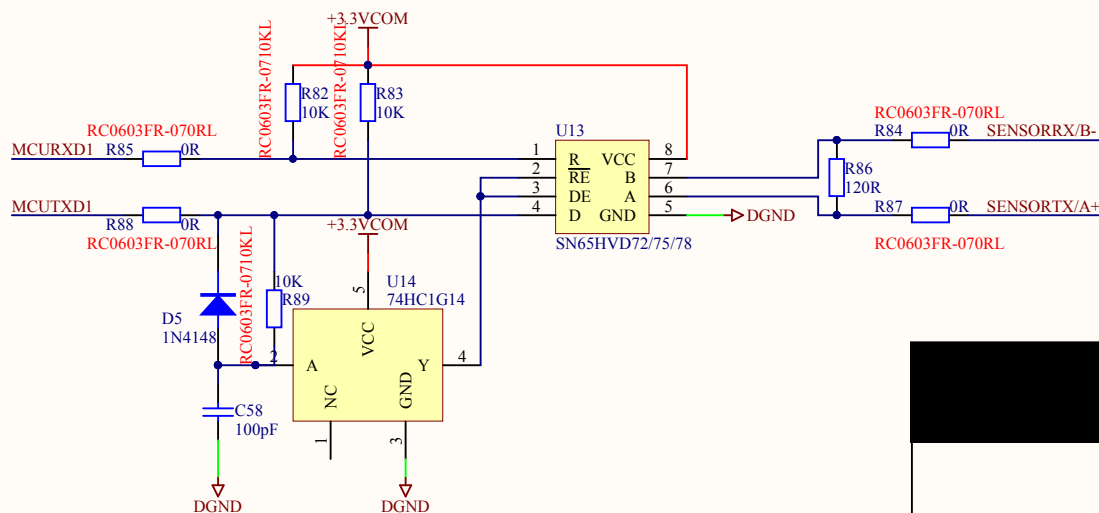
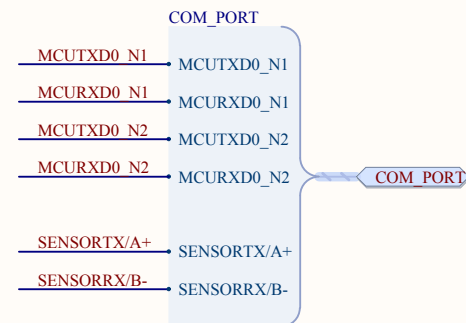
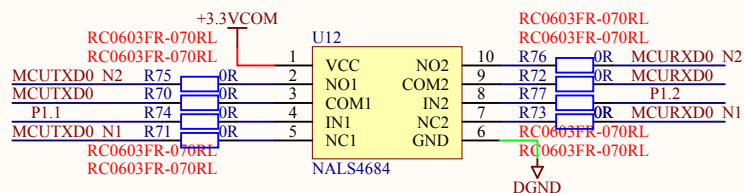
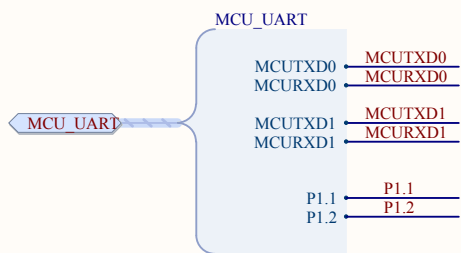
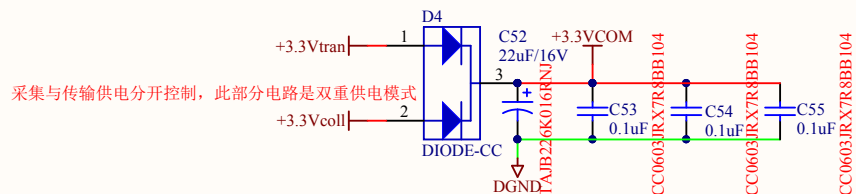
	工程 名:	*
	原理图名:	4_Resistor_Sensor.SchDoc
	文件版本:	*
	绘 制:	*
	审 核:	
第 * 页, 共 * 页	日 期:	2016/4/19



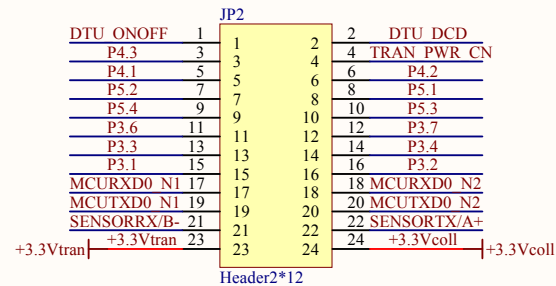
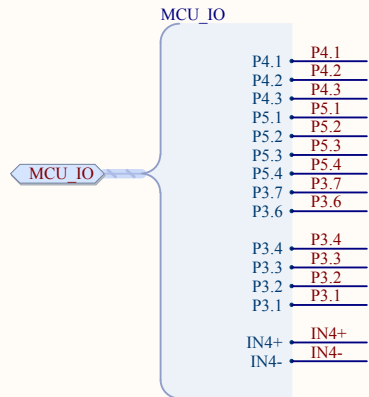
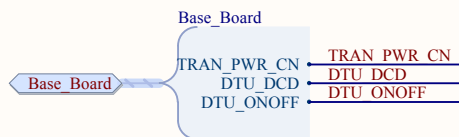
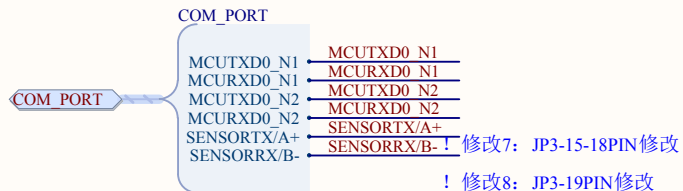
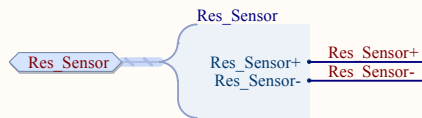
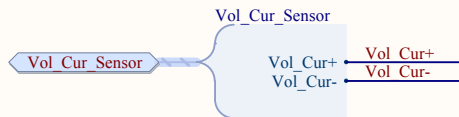
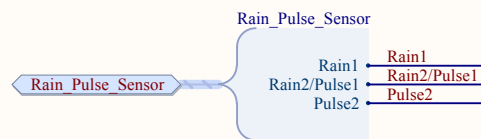
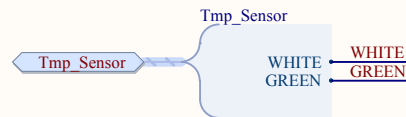
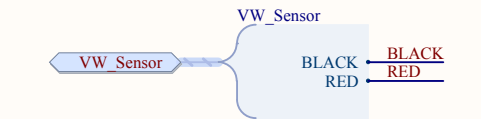


	工程名:	*
	原理图名:	6_Pulse_Sensor.SchDoc
	文件版本:	*
	绘制:	*
	审核:	
第 * 页, 共 * 页	日期:	2016/4/19

！修改5: MCUUART1固定485信号输出，MCUUART0用模拟开关分两路输出TTL电平

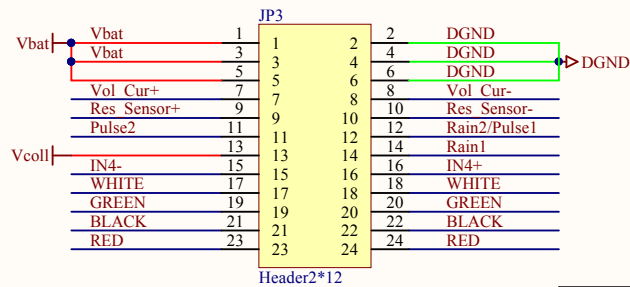


	工程名:	*
	原理图名:	7_RS485_RS232_Sensor.SchDoc
	文件版本:	*
	绘制:	*
	审核:	
第 * 页, 共 * 页	日期:	2016/4/19

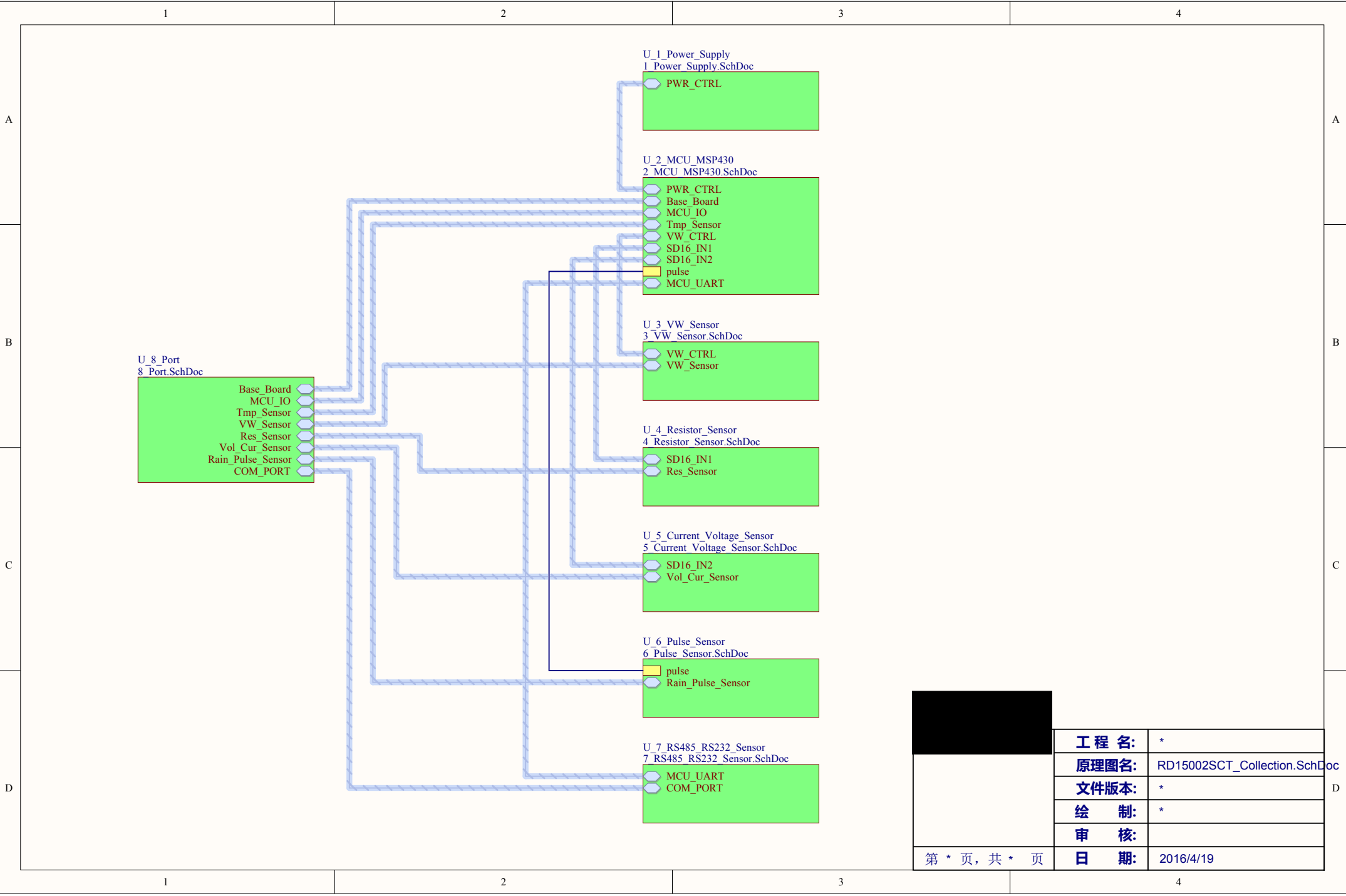


! 修改6: JP2-17-22PIN引脚定义修改

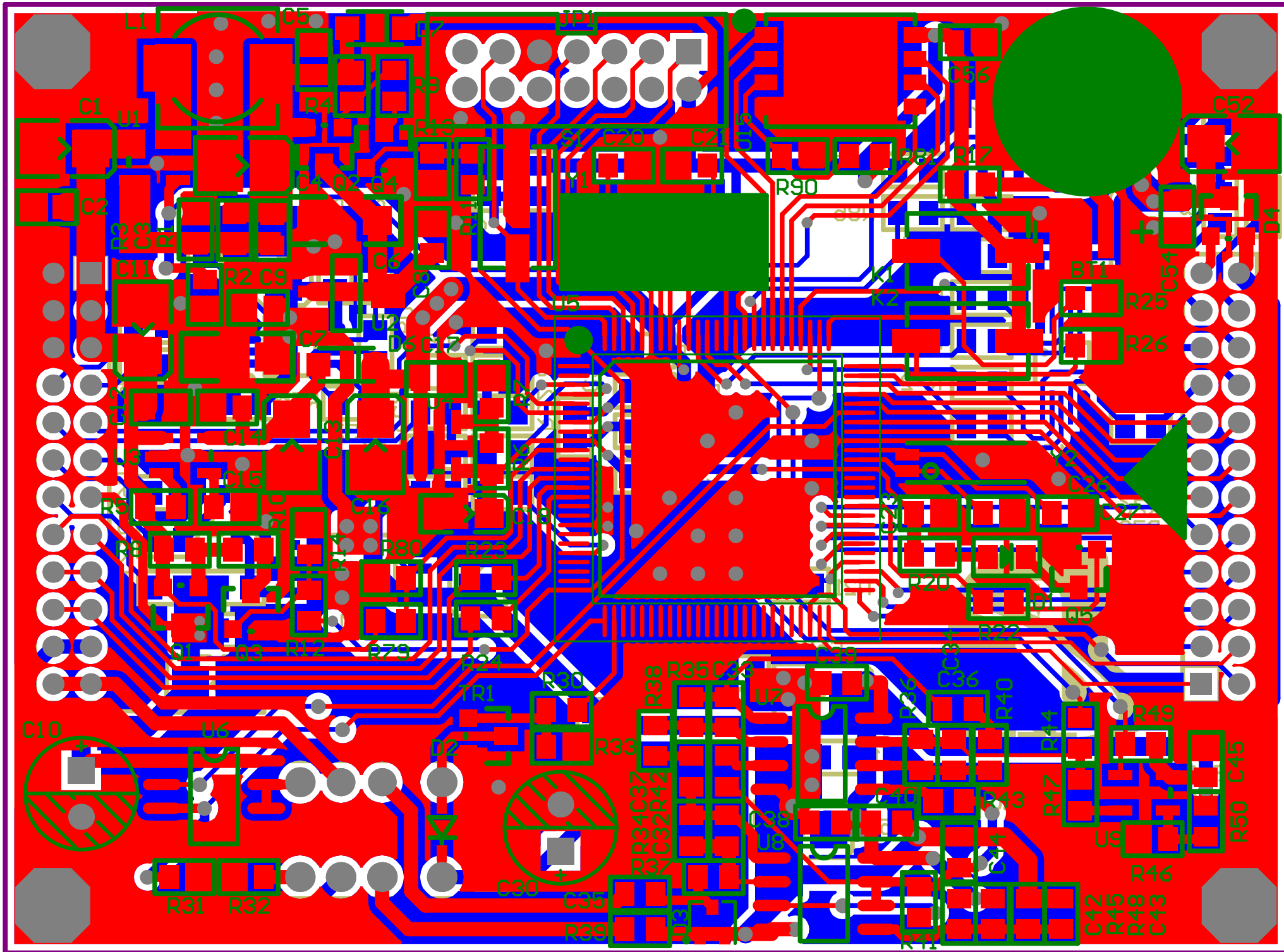
!修改



Title		
Size	Number	Revision
A4		
Date:	2016/4/19	Sheet of
File:	E:\SZDT Product\8 Port.SchDoc	Drawn By:



	工程 名:	*
	原理图名:	RD15002SCT_Collection.SchDoc
	文件版本:	*
	绘 制:	*
	审 核:	
第 * 页, 共 * 页	日 期:	2016/4/19



Comment	Description	Designator	Footprint	LibRef	Quantity
MS920T	Multicell Battery	B1	MS920T	Battery	1
22uF/16V	Polarized Capacitor (Radial)	C1, C4, C11, C13, C16, C28, C48, C50, C52	CB3528	Cap Pol1	9
0.1uF	Capacitor	C2, C5, C8, C9, C12, C14, C15, C17, C23, C24, C25, C29, C31, C35, C36, C37, C42, C43, C45, C46, C47, C49, C51, C53, C54, C55, C56	CC0603	Cap	27
100pF	Capacitor	C3, C58	CC0603	Cap	2
10uF	Polarized Capacitor (Radial)	C6, C7	CC1206	Cap Pol1	2
100uF/6.3V	Polarized Capacitor (Radial)	C10, C30	EC2.5/6MM	Cap Pol1	2
10uF/16V	Polarized Capacitor (Radial)	C18	CA3216	Cap Pol1	1
33nF	Capacitor	C19	CC0603	Cap	1
22pF	Capacitor	C20, C21, C26, C27	CC0603	Cap	4
1uF	Capacitor	C22, C38, C39, C44	CC0603	Cap	4
330pF	Capacitor	C32, C33, C34	CC0603	Cap	3
10nF	Capacitor	C40, C41	CC0603	Cap	2
22uF/6.3V	Polarized Capacitor (Radial)	C57, C59	CB3528	Cap Pol1	2
LED		D1	D0805	LED	1
CMD5H-3	Schottky Diode	D2	SOD323	D Schottky	1
DESD1P0RFW-7	TVS DIODE, 70V VWM, 8VC, SOT-323	D3	SOT-323	BAV99WT1G	1
DIODE-CC		D4	SOT-23W	DIODE-CC	1
1N4148		D5	SOD323	DIODE	1
MBR140	Schottky Diode	D6, D7	SOD-123	D Schottky	2
JTAG		JP1	IDC14-2.0MM	Header2*7	1
Header2*12		JP2, JP3	IDC24-2.0MM-INSERT	Header2*12	2
F4		K1	SPST	KEY_1	1
F3		K2	SPST	KEY_1	1
10uH	Inductor	L1	SLF6025	Inductor	1
CJ2301		Q1, Q2	SOT-23W	P-MOSFET1	2
MMBT3904		Q3, Q4, Q5, Q6, TR1	SOT-23W	NPN	5
35.7K	Resistor	R1	CC0603	Res2	1
100K	Resistor	R2, R5, R31, R33, R34, R35, R36, R50, R58, R61, R79	CC0603	Res2	11
10K	Resistor	R3, R13, R14, R16, R30, R49, R81, R82, R83, R89, R90	CC0603	Res2	11
47K 1%	Resistor	R4, R8	CC0603	Res2	2
20K	Resistor	R6, R7, R80	CC0603	Res2	3
47K	Resistor	R9, R10	CC0603	Res2	2
4.7K	Resistor	R11, R12, R37, R38, R40	CC0603	Res2	5
4R7	Resistor	R15	CC0603	Res2	1
22R	Resistor	R17	CC0603	Res2	1
0	Resistor	R18, R19, R21, R23, R24, R27, R55, R56, R64, R66, R68	CC0603	Res2	11
200R	Resistor	R20	CC0603	Res2	1
1K	Resistor	R22, R44, R47, R51, R52, R53, R54, R67	CC0603	Res2	8
12K	Resistor	R25, R26	CC0603	Res2	2
10	Resistor	R28	CC0603	Res2	1
0R	Resistor	R29, R41, R42, R43, R62, R63, R70, R71, R72, R73, R74, R75, R76, R77, R84, R85, R87, R88	CC0603	Res2	18
100	Resistor	R32, R39	CC0603	Res2	2
100K 1%	Resistor	R45, R48	CC0603	Res2	2
49.9K	Resistor	R46, R59	CC0603	Res2	2
49.9K 1%	Resistor	R57, R60	CC0603	Res2	2
3.3K	Resistor	R65	CC0603	Res2	1
470	Resistor	R69	CC0603	Res2	1
120R	Resistor	R86	CC0603	Res2	1
G6K-2P-Y		RE1	G6K	G6K	1
RESET	Switch	S1	SPST	SW_PB	1
TPS560200		U1	SOT-23-5	TPS560200	1
GM6250		U2	SOT-89	GM6250	1
LP2985-3.3		U3	SOT-23-5	LP2985	1
LM4121-ADJ/1.2		U4	SOT-23-5	LM4121-ADJ/1.2	1
MSP430F47126		U5	TQFP100	MSP430F47126	1
FAN3122T		U6	SO-8	FAN3122	1
LT1807		U7, U8	SO-8	LM833N	2
TLV3491AID		U9	SOT-23-5	TLV3491AID	1
ADB237		U10	MSOP8	ADB237	1
PC410		U11	PC410	PC410	1
NALS4684		U12	MS10	NALS4684	1
SN65HVD72/75/78		U13	SO-8	SN65HVD72/75/78	1
74HC1G14		U14	SOT-23-5	74HC1G14	1
SST25VF064C		U15	WSON-8	SST25VF064C	1
1M	Crystal Oscillator	Y1	XCVAI	XTAL	1
32.768KHz		Y2	MC-146	MC-146	1