

FILE NAME: DCPU.pdsprj

DESIGN TITLE: SAMP DCPU

PATH: Power

BY: SAMPI Dev Kit

DATE:

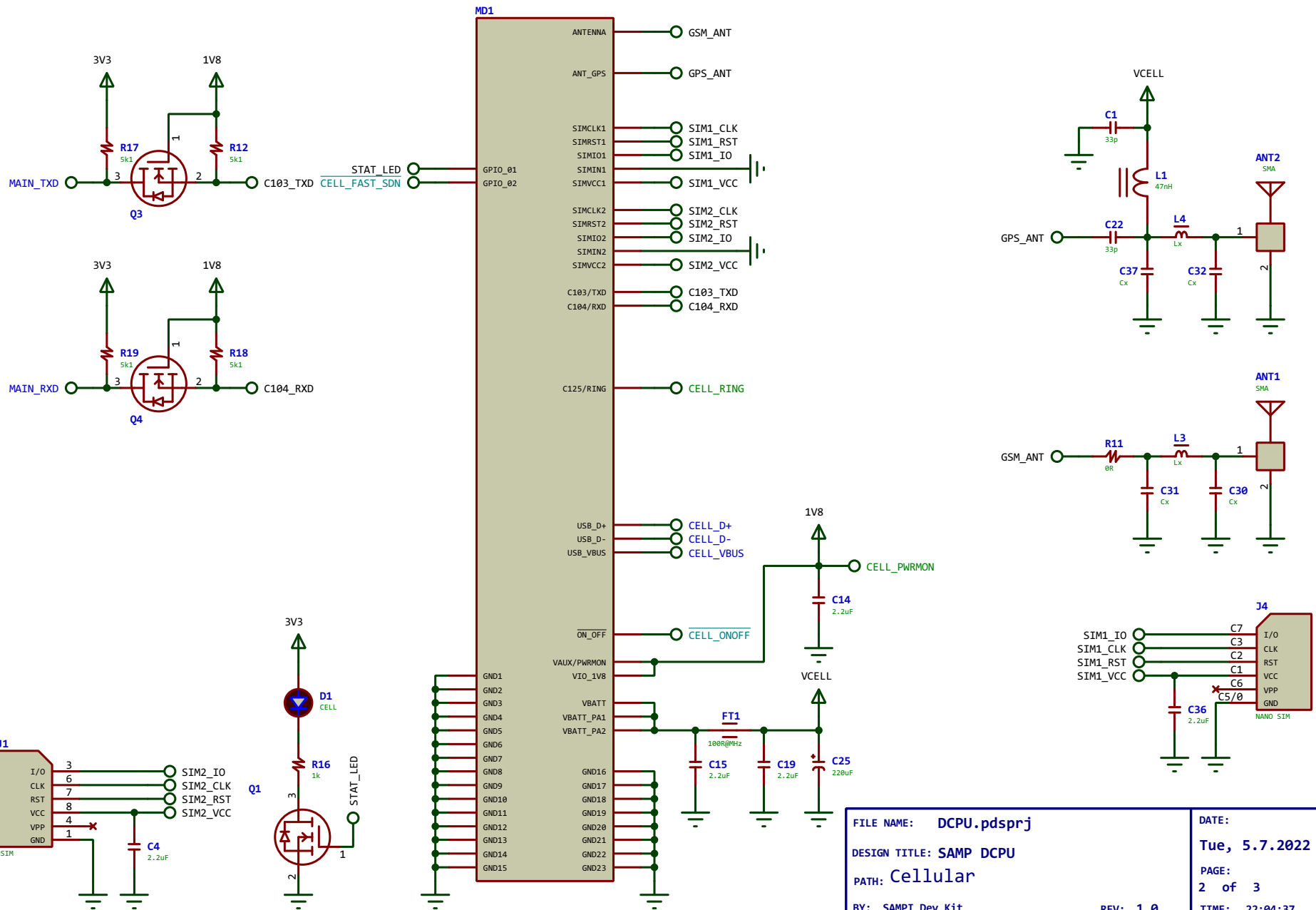
Tue, 5.7.2022

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TIME: 22:04:37

REV: 1.0



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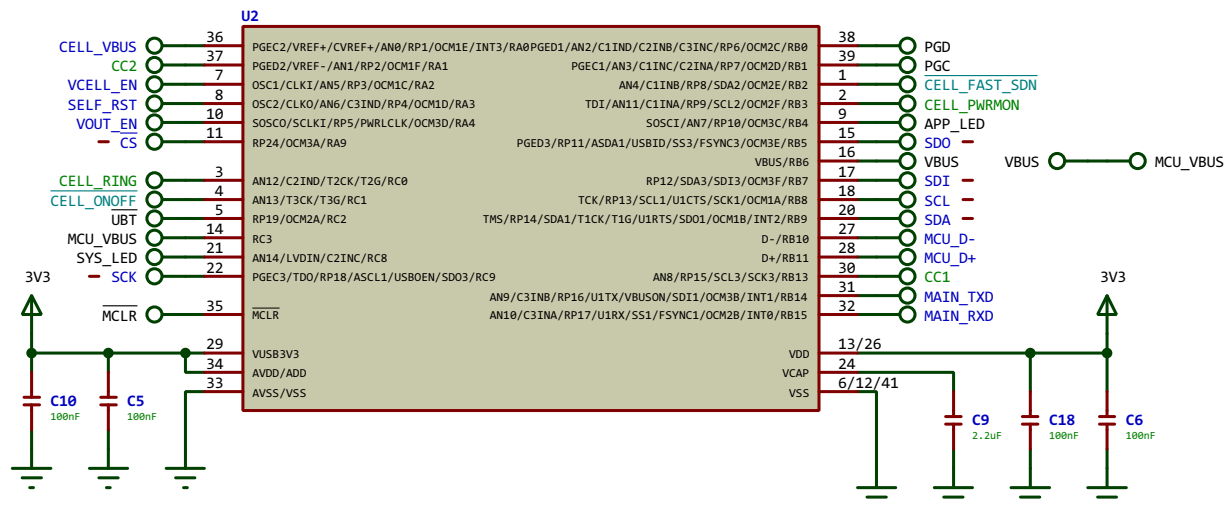
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PAGE:

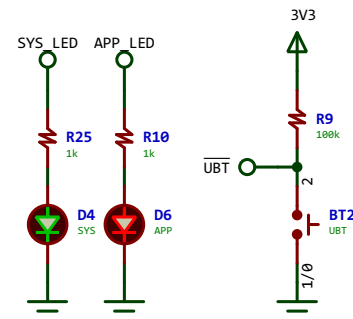
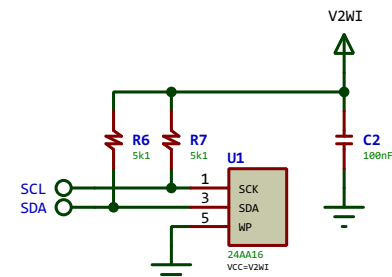
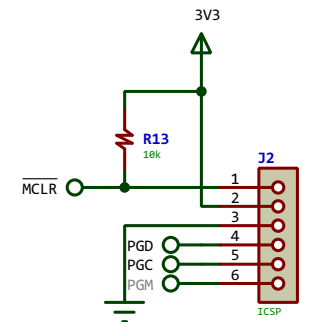
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TIME: 22:04:37

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- Open-Drain Output
- Analog
- GPIOs connect to the other sheets
- GPIOs connect to components in this sheet
- 5V tolerant



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NUM	PIN	NAME	TYPE	OPEN DRAIN	INIT	PERIPHERAL
34	AVDD	VDD	POWER	-	-	-
33	AVSS	GND	GND	-	-	-
35	MCLR	MCLR_N	SYSTEM RESET	-	-	-
19	N/C	NC	-	-	-	-
23	N/C	NC	-	-	-	-
25	N/C	NC	-	-	-	-
40	N/C	NC	-	-	-	-
36	RA0	CELL_VBUS	DIGITAL OUTPUT	NOT CONFIGURE	LOW	-
37	RA1	CC2	ANALOG INPUT	NOT CONFIGURE	LOW	AN1
7	RA2	VCELL_EN	DIGITAL OUTPUT	NOT CONFIGURE	LOW	-
8	RA3	SELF_RESET	DIGITAL OUTPUT	NOT CONFIGURE	LOW	-
10	RA4	VOUT_EN	DIGITAL OUTPUT	NOT CONFIGURE	LOW	-
11	RA9	CS_N	DIGITAL OUTPUT	NOT CONFIGURE	HIGH	SPI2
38	RB0	PGD	DIGITAL INPUT	NOT CONFIGURE	LOW	-
39	RB1	PGC	DIGITAL INPUT	NOT CONFIGURE	LOW	-
27	RB10	MCU_DM	DIGITAL INPUT	NOT CONFIGURE	LOW	-
28	RB11	MCU_DP	DIGITAL INPUT	NOT CONFIGURE	LOW	-
30	RB13	CC1	ANALOG INPUT	NOT CONFIGURE	LOW	AN8
31	RB14	MAIN_TXD	DIGITAL OUTPUT	NOT CONFIGURE	HIGH	UART1
32	RB15	MAIN_RXD	DIGITAL INPUT	NOT CONFIGURE	LOW	UART1
1	RB2	CELL_FAST_SDN_N	DIGITAL OUTPUT	YES	HIGH	-
2	RB3	CELL_PWRMON	ANALOG INPUT	NOT CONFIGURE	LOW	AN11
9	RB4	APP_LED	DIGITAL OUTPUT	NOT CONFIGURE	HIGH	-
15	RB5	SDO	DIGITAL OUTPUT	NOT CONFIGURE	LOW	SPI2
16	RB6	VBUS	DIGITAL INPUT	NOT CONFIGURE	LOW	USB
17	RB7	SDI	DIGITAL INPUT	NOT CONFIGURE	LOW	SPI2
18	RB8	SCL	DIGITAL INPUT	NOT CONFIGURE	LOW	I2C1
20	RB9	SDA	DIGITAL INPUT	NOT CONFIGURE	LOW	I2C1
3	RC0	CELL_RING	ANALOG INPUT	NOT CONFIGURE	LOW	AN12
4	RC1	CELL_ONOFF_N	DIGITAL OUTPUT	YES	HIGH	-
5	RC2	UBT_N	DIGITAL INPUT	NOT CONFIGURE	LOW	-
14	RC3	MCU_VBUS	DIGITAL OUTPUT	NOT CONFIGURE	LOW	-
21	RC8	SYS_LED	DIGITAL OUTPUT	NOT CONFIGURE	HIGH	-
22	RC9	SCK	DIGITAL OUTPUT	NOT CONFIGURE	LOW	SPI2
24	VCAP	VCAP	-	-	-	-
13	VDD	VDD	POWER	-	-	-
26	VDD	VDD	POWER	-	-	-
6	VSS	GND	GND	-	-	-
12	VSS	GND	GND	-	-	-
29	VUSB3V3	VDD	POWER	-	-	-