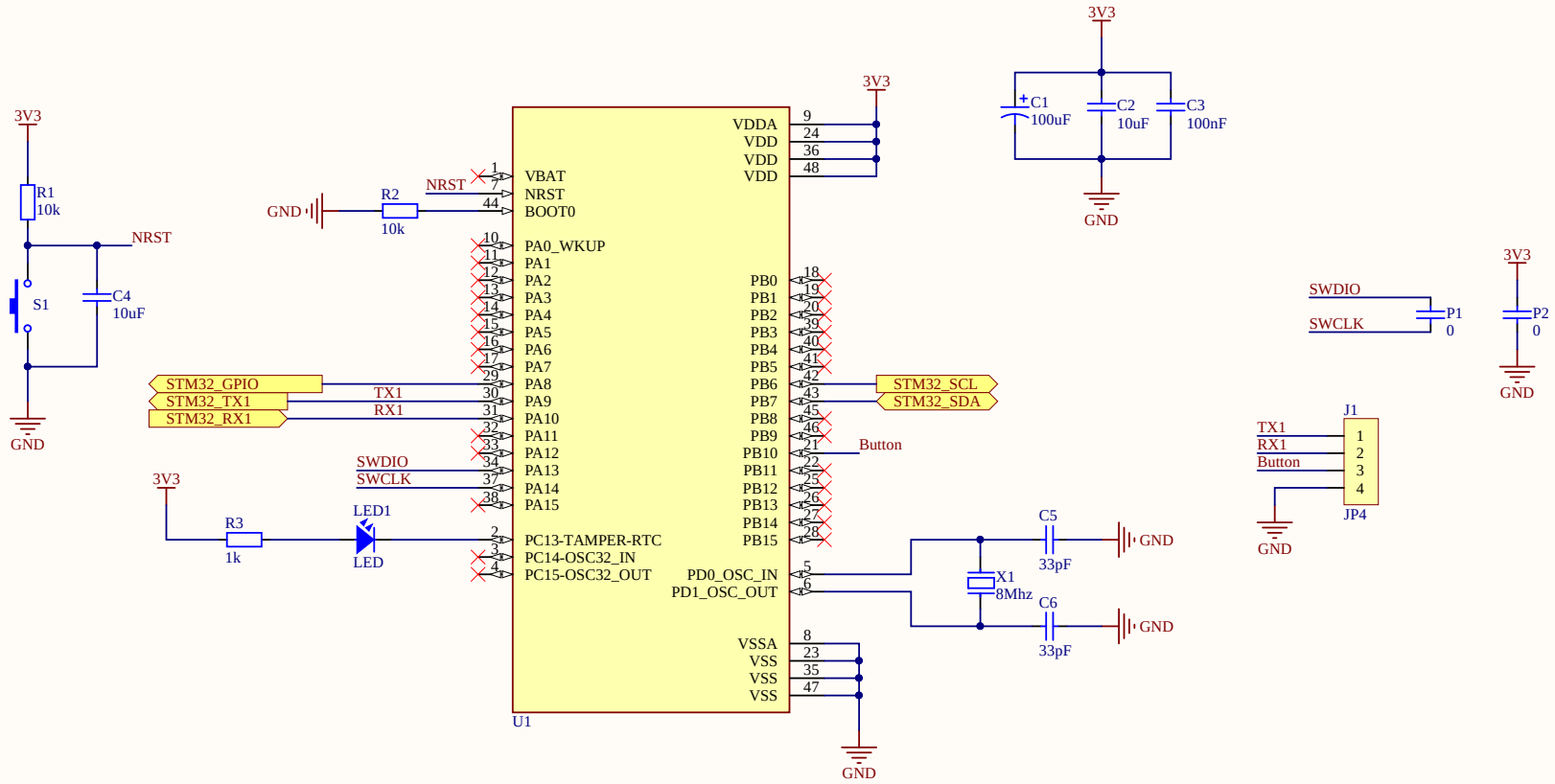
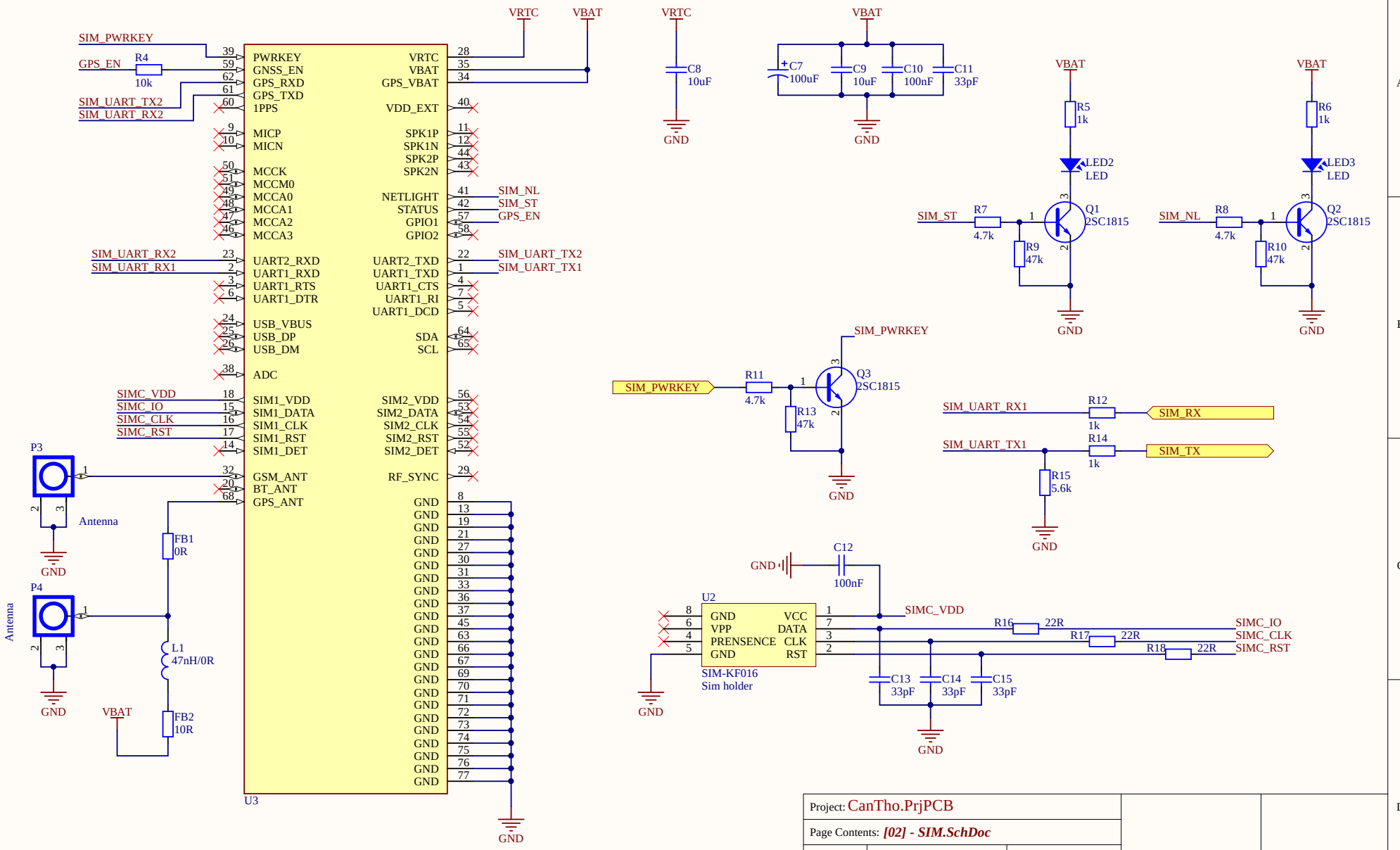


Project: CanTho.PrjPCB			
Page Contents: *[01] - MCU.SchDoc*			
Size: A4	Checked by:	Revision:	
Date: 26-Mar-22	Time: 09:08:07	Sheet of	
File: [01] - MCU.SchDoc			



Project:	CanTho.PrjPCB
Page Contents:	*[02] - SIM.SchDoc*
Size: A4	Checked by: / Revision:
Date: 26-Mar-22	Time: 09:08:07 / Sheet of
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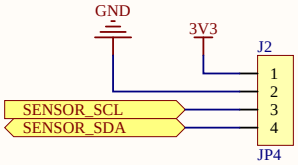
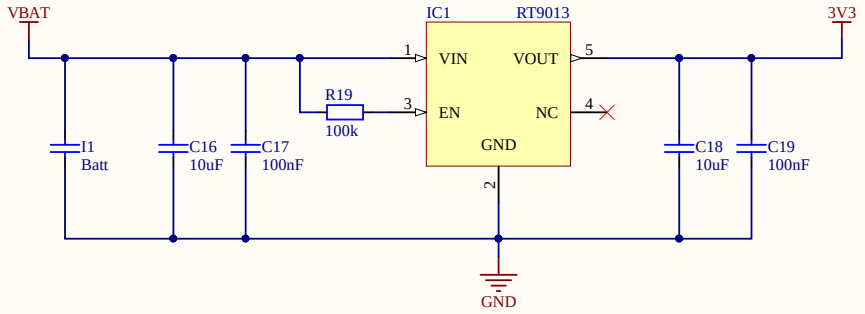
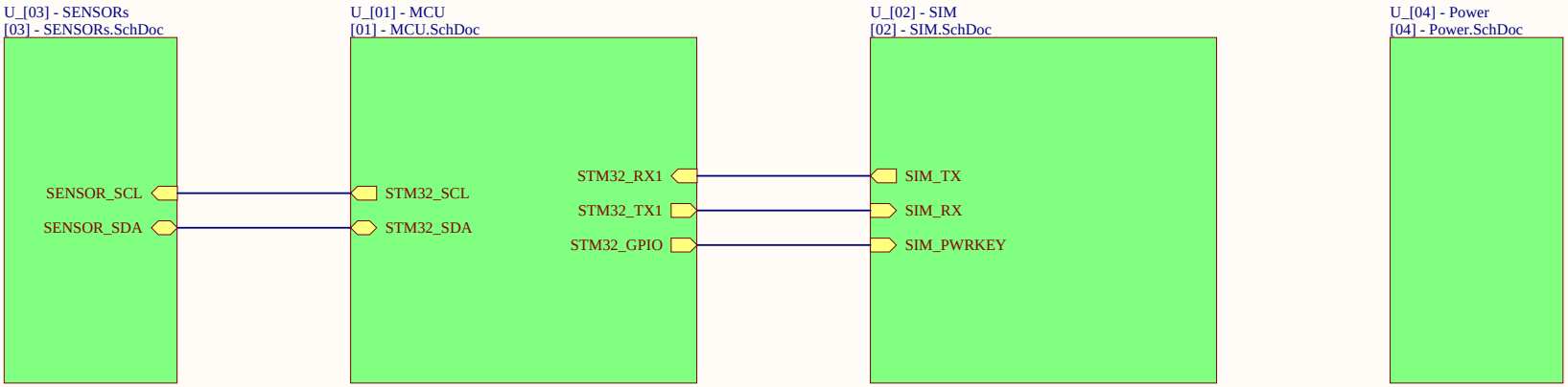


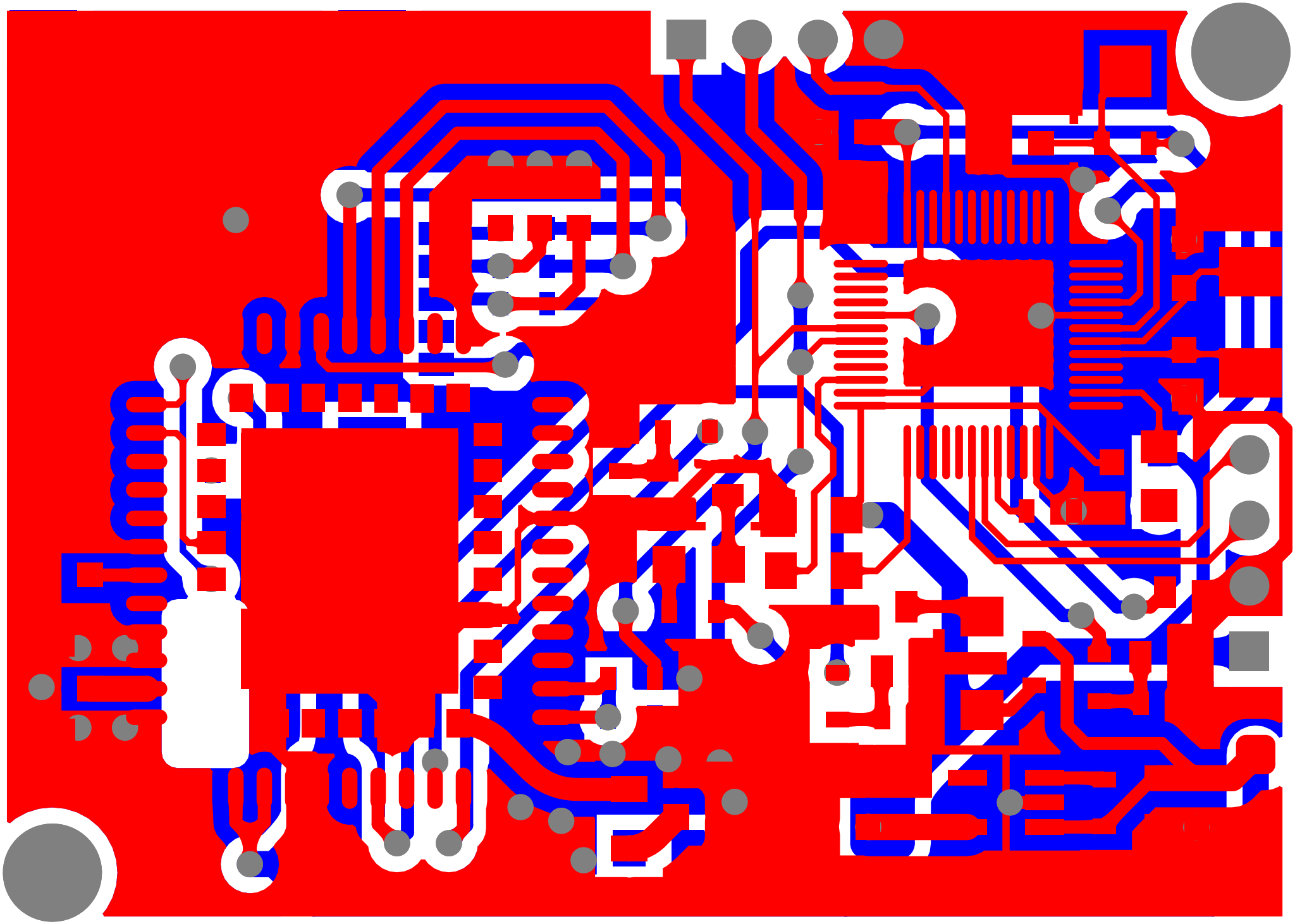
Project: CanTho.PrjPCB			
Page Contents: ***[03] - SENSORs.SchDoc***			
Size: A4	Checked by:	Revision:	
Date: 26-Mar-22	Time: 09:08:07	Sheet of	
File: [03] - SENSORs.SchDoc			



Project: CanTho.PrjPCB			
Page Contents: ***[04] - Power.SchDoc***			
Size: A4	Checked by:	Revision:	
Date: 26-Mar-22 Time: 09:08:07		Sheet of	
File: [04] - Power.SchDoc			



Project: CanTho.PrjPCB			
Page Contents: ***Sheet_Connector.SchDoc***			
Size: A4	Checked by:	Revision:	
Date: 26-Mar-22	Time: 09:08:07	Sheet of	
File: Sheet_Connector.SchDoc			



Comment	Description	Designator	Footprint	LibRef	Quantity
100uF	Tantalum	C1, C7	CAP_7343	Cap Pol	2
10uF	Capacitor	C2, C4, C8, C9, C16, C18	CAP_0603	CapSMD	6
100nF	Capacitor	C3, C10, C12, C17, C19	CAP_0603	CapSMD	5
33pF	Capacitor	C5, C6, C11, C13, C14, C15	CAP_0603	CapSMD	6
0R	Ferrit Bead	FB1	RES-SMD-0805	Resistor - SMD	1
10R	Ferrit Bead	FB2	RES-SMD-0805	Resistor - SMD	1
Batt	Pad	I1	CAP_3216	CapSMD	1
RT9013	RT9013-33GB IC REG LINEAR 3.3V 500mA SOT23-5	IC1	SOT23-5	RT9013	1
JP4	WR-PHD 2.54 mm Angled Socket Header	J1, J2	JP4-C1T	JP4	2
47nH/0R	Inductor	L1	L-0805	Inductor	1
LED	LED Single colour Green and Red	LED1	LED-0805-Orange	LED	1
LED	LED Single colour Green and Red	LED2	LED-0805-Yellow	LED	1
LED	LED Single colour Green and Red	LED3	LED-1206-Blue	LED	1
0	Pad	P1, P2	CAP_0805	CapSMD	2
Antenna	Antenna GSM GPS	P3, P4	IPXS	IPXSx66	2
2SC1815	NPN 600mW, ECB	Q1, Q2, Q3	SOT23D	2SC1815	3
10k	Resistor	R1, R2, R4	RES-SMD-0603	Resistor - SMD	3
1k	Resistor	R3, R5, R6, R12, R14	RES-SMD-0603	Resistor - SMD	5
4.7k	Resistor	R7, R8, R11	RES-SMD-0603	Resistor - SMD	3
47k	Resistor	R9, R10, R13	RES-SMD-0603	Resistor - SMD	3
5.6k	Resistor	R15	RES-SMD-0603	Resistor - SMD	1
22R	Resistor	R16, R17, R18	RES-SMD-0603	Resistor - SMD	3
100k	Resistor	R19	RES-SMD-0603	Resistor - SMD	1
SW-SMD	Switch	S1	SW 3x2x4	SW-SMD	1
STM32	STM32 ARM-based 32-bit MCU with 64 Kbytes Flash, 64-pin LQFP, Industrial Temperature	U1	LQFP 48	STM32F103C8T6	1
SIM-KF016	SIM Card Holder KF-016	U2	Sim Socket	Sim holder	1
SIM868	SIM868 SIMCOM	U3	SIM868	SIM868	1
8Mhz	Crystal For all Crystal 2pin.	X1	XTAL 5032 SMD	XT2	1