
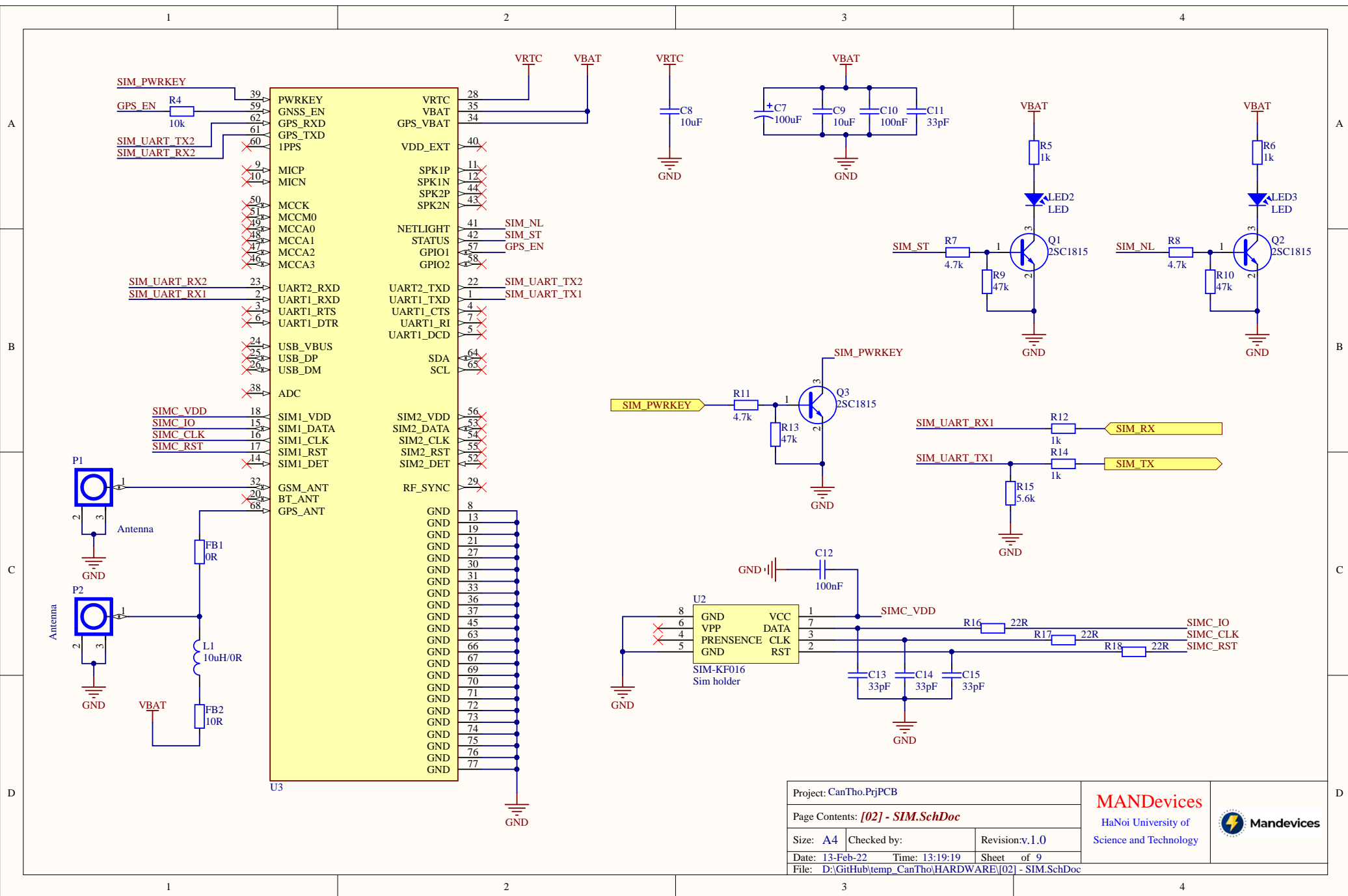

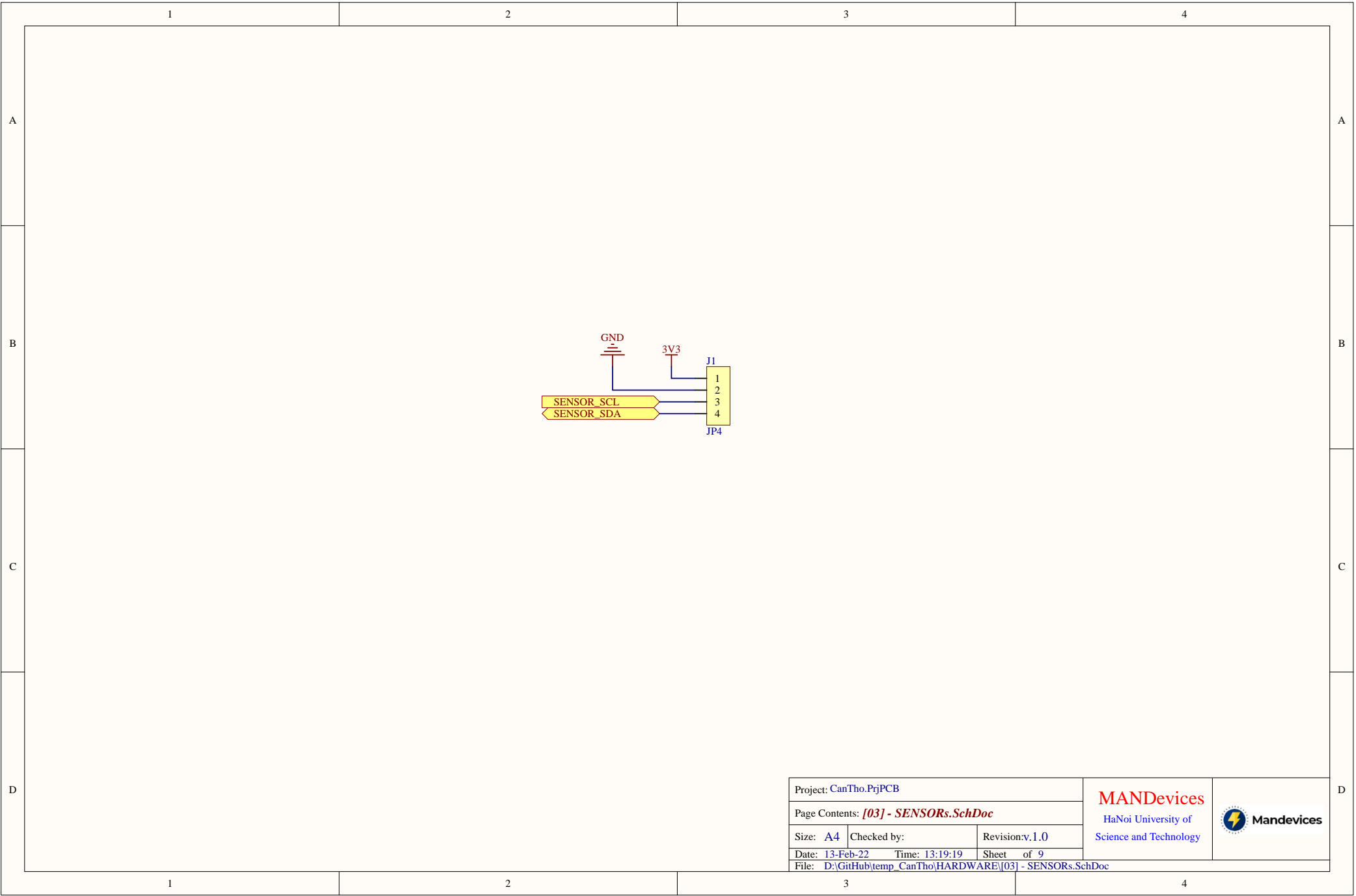
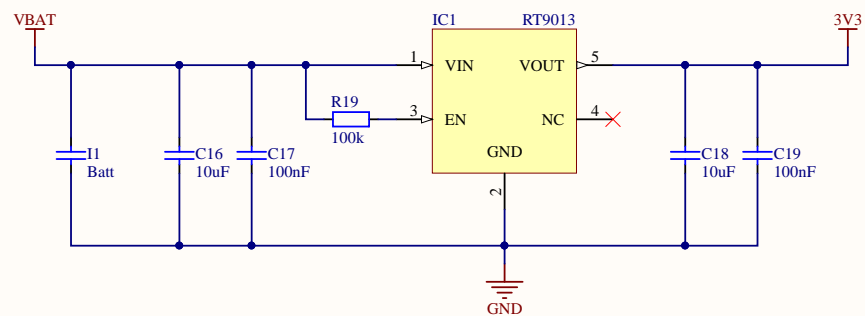



Project: CanTho.PrjPCB			<div>MANDevices</div> <div>HaNoi University of Science and Technology</div> <div> Mandevices</div>
Page Contents: <i>[01] - MCU.SchDoc</i>			
Size: A4	Checked by:	Revision:v.1.0	
Date: 13-Feb-22	Time: 13:19:19	Sheet of 9	
File: D:\GitHub\temp_CanTho\HARDWARE\01] - MCU.SchDoc			

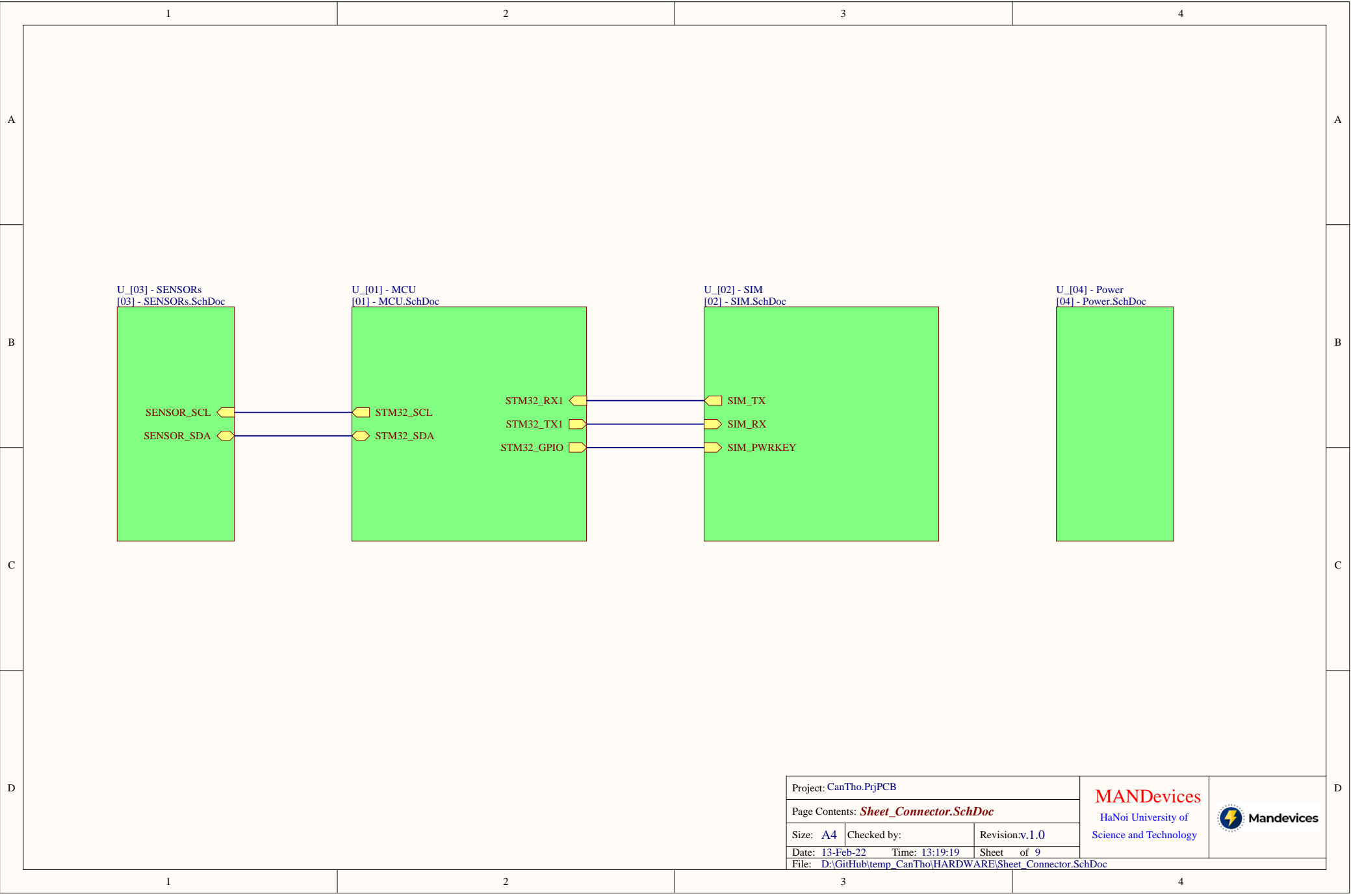


Project: CanTho.PrjPCB			<div>MANDevices</div> <div>HaNoi University of Science and Technology</div> <div> Mandevices</div>
Page Contents: [02] - SIM.SchDoc			
Size: A4	Checked by:	Revision:v.1.0	
Date: 13-Feb-22	Time: 13:19:19	Sheet of 9	
File: D:\GitHub\temp_CanTho\HARDWARE\02] - SIM.SchDoc			





Project: CanTho.PrjPCB			<div>MANDevices</div> <div>HaNoi University of Science and Technology</div>	<div>Mandevices</div>
Page Contents: [04] - Power.SchDoc				
Size: A4	Checked by:	Revision:v.1.0		
Date: 13-Feb-22	Time: 13:19:19	Sheet of 9		
File: D:\GitHub\temp_CanTho\HARDWARE\04] - Power.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	JP4-C1T	JP4	1
10uH/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
Antenna	Antenna GSM GPS	P1, P2	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-SMD	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