

1

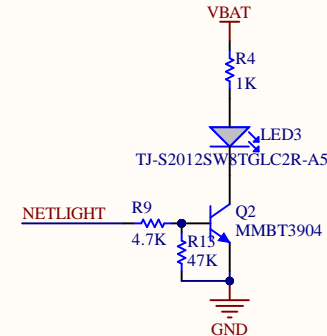
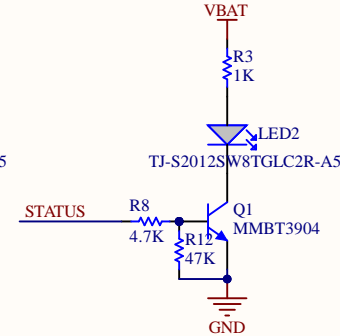
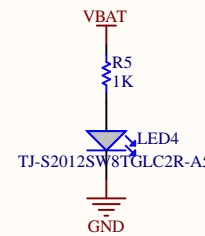
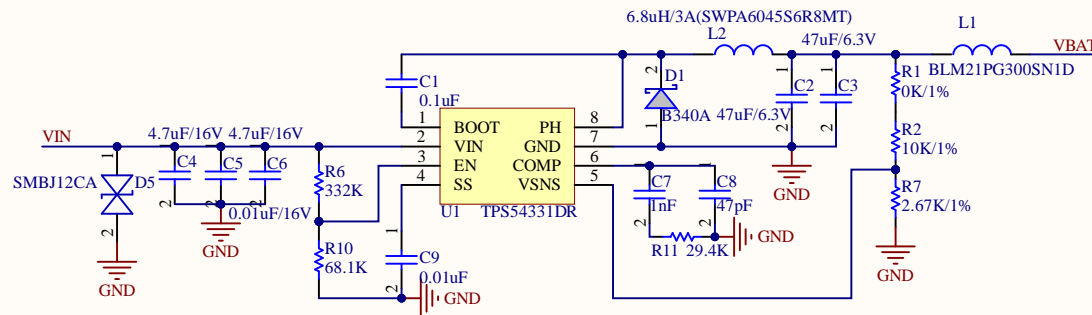
2

3

4

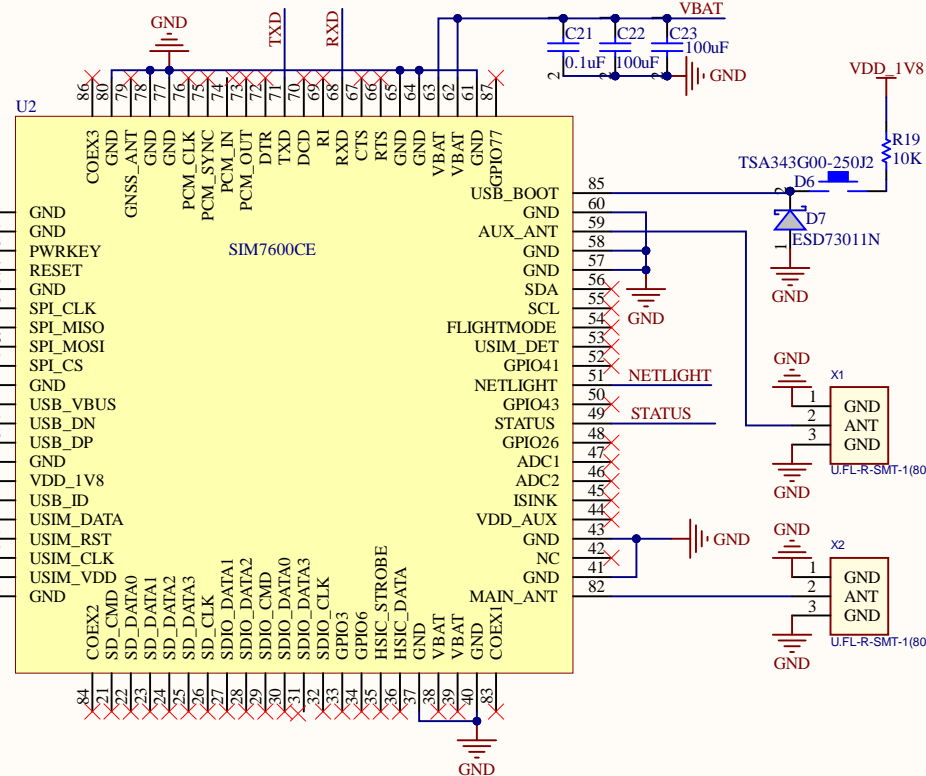
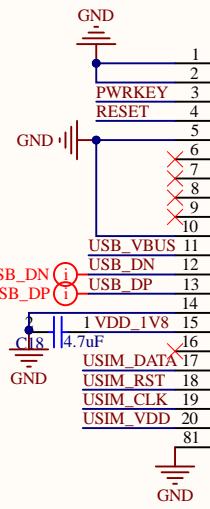
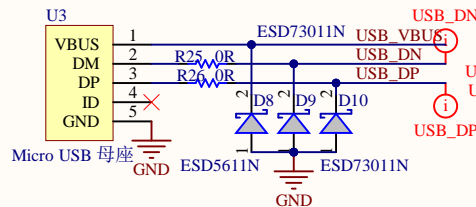
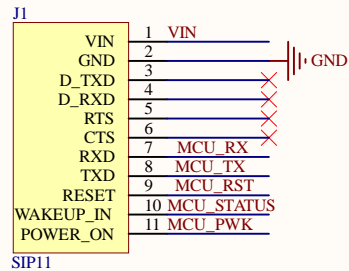
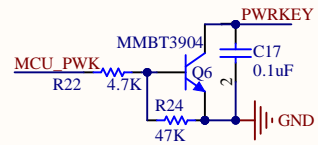
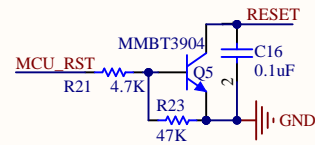
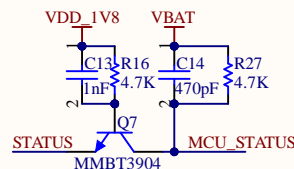
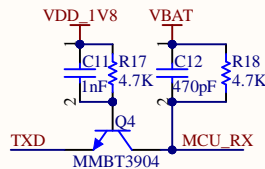
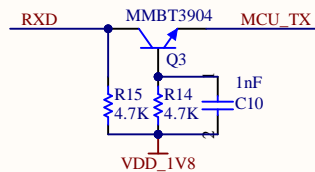
A

A



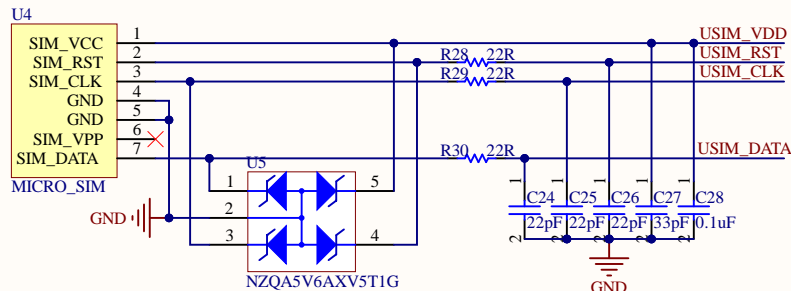
B

B



D

D



Title		
Size	Number	Revision
A4		
Date:	1/20/2021	Sheet of
File:	C:\Users\...\SIM7600CE.SchDoc	Drawn By:

1

2

3

4

Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF	Capacitor	C1, C16, C17, C21, C28	C-0603	Cap	5
47uF/6.3V	Capacitor	C2, C3	C-0603	Cap	2
4.7uF/16V	Capacitor	C4, C5	CASE-B_3528	Cap	2
0.01uF/16V	Capacitor	C6	C-0603	Cap	1
1nF	Capacitor	C7, C10, C11, C13	C-0603	Cap	4
47pF	Capacitor	C8	C-0603	Cap	1
0.01uF	Capacitor	C9	C-0603	Cap	1
470pF	Capacitor	C12, C14	C-0603	Cap	2
4.7uF	Capacitor	C18	C-0603	Cap	1
100uF	Capacitor	C22, C23	CASE-B_3528	Cap	2
22pF	Capacitor	C24, C25, C26	C-0603	Cap	3
33pF	Capacitor	C27	C-0603	Cap	1
B340A	TVS二极管	D1	SMA(DO-214AC)	B340A	1
SMBJ12CA	TVS二极管	D5	SMB(DO-214AA)	SMBJ6.0CA	1
TSA343G00-250J2		D6	KEY	KEY_M	1
ESD73011N	TVS二极管	D7, D9, D10	DFN1006-2L	B340A	3
ESD5611N	TVS二极管	D8	DFN1006-2L	B340A	1
SIP11	排针	J1	SIP11	SIP11	1
BLM21PG300SN1D	贴片电感	L1	L-0805	Ind	1
6.8uH/3A(SWPA6045S6R8MT)	贴片电感	L2	SMD,6.0x6.0x4.5mm	Ind	1
TJ-S2012SW8TGLC2R-A5	发光二极管	LED2, LED3, LED4	D-0805	LED	3
MMBT3904	NPN三极管	Q1, Q2, Q3, Q4, Q5, Q6, Q7	SOT-23(SOT-23-3)	MMBT3904	7
0K/1%	Resistor	R1	R-0603	Res	1
10K/1%	Resistor	R2	R-0603	Res	1
1K	Resistor	R3, R4, R5	R-0603	Res	3
332K	Resistor	R6	R-0603	R-0603	1
2.67K/1%	Resistor	R7	R-0603	Res	1
4.7K	Resistor	R8, R9, R14, R15, R16, R17, R18, R21, R22, R27	R-0603	Res	10
68.1K	Resistor	R10	R-0603	R-0603	1
29.4K	Resistor	R11	R-0603	Res	1
47K	Resistor	R12, R13, R23, R24	R-0603	Res	4
10K	Resistor	R19	R-0603	Res	1
NC	Resistor	R20	R-0603	Res	1
0R	Resistor	R25, R26	R-0603	Res	2
22R	Resistor	R28, R29, R30	R-0603	Res	3
TPS54331DR	DC-DC电源芯片	U1	SOIC8-150MIL	TPS54331DR	1
SIM7600CE	4G模块	U2	SIM7600CE	SIM7600CE	1
Micro USB 母座	Micro-USB	U3	Micro USB	Micro-USB	1
MICRO_SIM	MICRO_SIM卡座(6P)	U4	17.20x15.30x1.35	MICRO_SIM	1
NZQA5V6AXV5T1G	ESD二极管	U5	SOT-553	NZQA5V6AXV5T1G	1
U.FL-R-SMT-1(80)	天线插座	X1, X2	U.FL-R-SMT-1(80)	RF	2