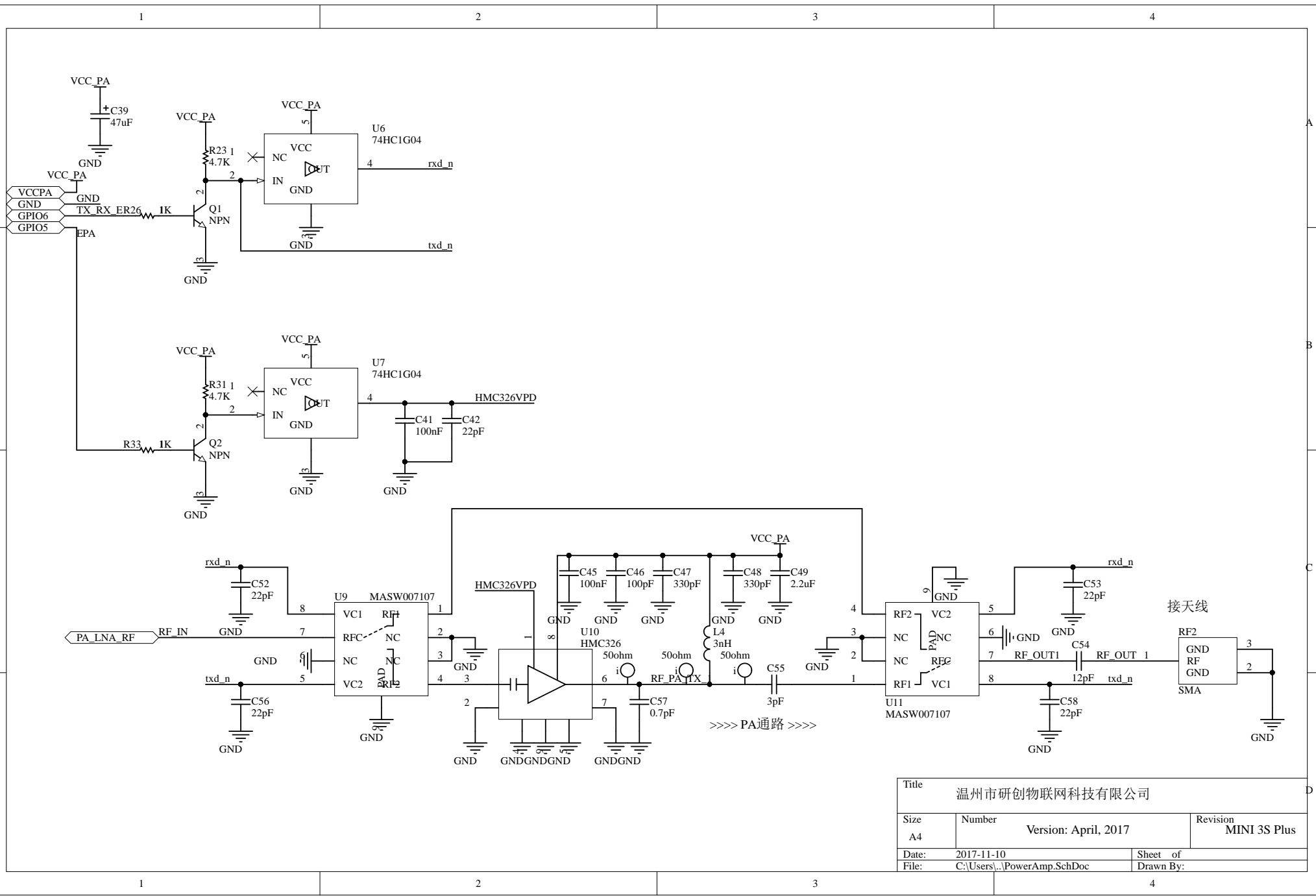
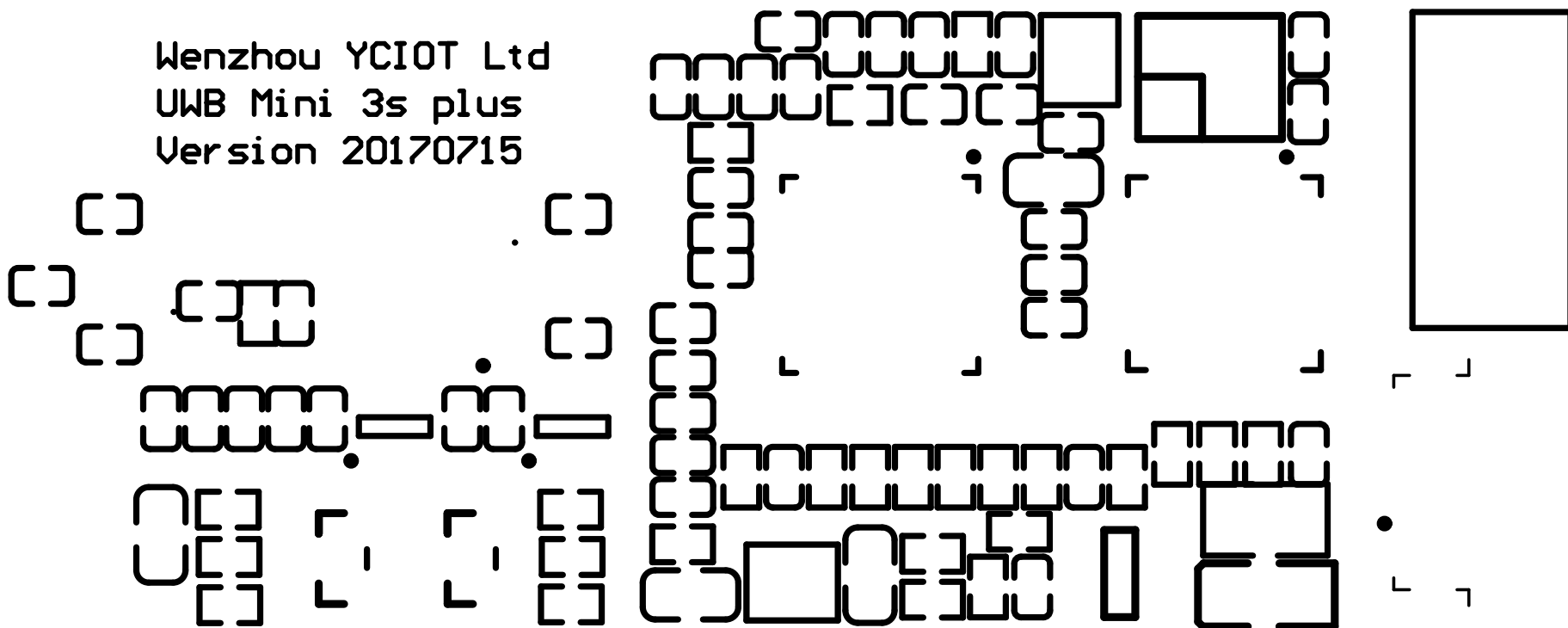


Title 温州市研创物联网科技有限公司		
Size A4	Number Version: April, 2017	Revision MINI 3S Plus
Date: 2017-11-10	File: C:\Users\...\Mini3s_SchDoc	Sheet of Drawn By:

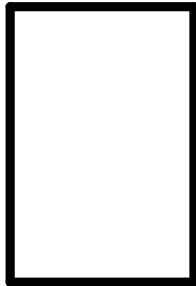


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Size A4	Number	Version: April, 2017	Revision MINI 3S Plus
Date: 2017-11-10		Sheet of	
File: C:\Users\...\PowerAmp.SchDoc		Drawn By:	

Wenzhou YCIOT Ltd  
UWB Mini 3s plus  
Version 20170715



	GND	GND
	SCK	RXD
	SDO	TXD
	VC5	VC5



Wenzhou YCIOT Ltd  
UWB Mini Rev 3s  
Version 20170517

Comment	Description	Designator	Footprint	LibRef	Pins	Quantity
1uF	Polarized Capacitor (Radial)	C1	L.C.-0402_C	Cap Chip 0402	2	1
10uF	Polarized Capacitor (Radial)	C2	L.C.-0603_C	Cap Chip 0603	2	1
100nF	Polarized Capacitor (Radial)	C3, C6, C7, C9, C11, C12, C13, C18, C19, C20, C24, C28, C31, C34, C41, C45	L.C.-0402_C	Cap Chip 0402	2	16
13pF	Polarized Capacitor (Radial)	C4, C5, C21, C22, C54	L.C.-0402_C	Cap Chip 0402	2	5
10pF	Polarized Capacitor (Radial)	C8, C10, C23	L.C.-0402_C	Cap Chip 0402	2	3
1.2pF	Polarized Capacitor (Radial)	C14	L.C.-0402_C	Cap Chip 0402	2	1
27pF	Polarized Capacitor (Radial)	C15	L.C.-0402_C	Cap Chip 0402	2	1
820pF	Polarized Capacitor (Radial)	C16	L.C.-0402_C	Cap Chip 0402	2	1
18pF	Polarized Capacitor (Radial)	C17	L.C.-0402_C	Cap Chip 0402	2	1
10uF	Polarized Capacitor (Radial)	C25	TAN-A-3216	Cap Tan A	2	1
330pF	Polarized Capacitor (Radial)	C27, C29, C47, C48	L.C.-0402_C	Cap Chip 0402	2	4
10000pF	Polarized Capacitor (Radial)	C30	L.C.-0402_C	Cap Chip 0402	2	1
4.7uF	Polarized Capacitor (Radial)	C32, C35	L.C.-0603_C	Cap Chip 0402, Cap Chip 0603	2	2
47uF	Polarized Capacitor (Radial)	C33	L.C.-0805_C	Cap Chip 0805	2	1
47uF	Polarized Capacitor (Radial)	C39	L.C.-0603_C	Cap Tan A	2	1
22pF	Polarized Capacitor (Radial)	C42, C52, C53, C56, C58	L.C.-0402_C	Cap Chip 0402	2	5
100pF	Polarized Capacitor (Radial)	C46	L.C.-0402_C	Cap Chip 0402	2	1
2.2uF	Polarized Capacitor (Radial)	C49	L.C.-0402_C	Cap Chip 0402	2	1
3pF	Polarized Capacitor (Radial)	C55	L.C.-0402_C	Cap Chip 0402	2	1
0.7pF	Polarized Capacitor (Radial)	C57	L.C.-0402_C	Cap Chip 0402	2	1
1050170001	MoLEX, 1050170001	CN1	0001	1050170001	11	1
RED	Typical INFRARED GaAs LED	D1	0603D	LED0	2	1
BLUE	Typical INFRARED GaAs LED	D2, D3, D5	0603D	LED0	2	3
0.5A	Resistor	F1	CR2012-0805	Res1	2	1
100uH	Inductor	L1	L.C.-0402_R	Inductor Chip	2	1
Inductor Chip	Inductor	L4	L.C.-0402_R	Inductor Chip	2	1
Header 4X2	Header 4-Pin, Dual row	P1	HDR2X4	Header 4X2	8	1
NPN	NPN Bipolar Transistor	Q1, Q2	SOT-23(SOT-23-3) NPN	NPN	3	2
52.3K	Resistor	R1	L.C.-0402_R	Resistor Chip 0402	2	1
30.1K	Resistor	R2	L.C.-0402_R	Resistor Chip 0402	2	1
1.5K	Resistor	R3, R9, R10, R25, R30	L.C.-0402_R	Resistor Chip 0402	2	5
10K	Resistor	R4, R5, R6, R7, R8, R13, R17, R18	L.C.-0402_R	Resistor Chip 0402	2	8
11k(1%)	Resistor	R11	L.C.-0402_R	Resistor Chip 0402	2	1
16K	Resistor	R12	L.C.-0402_R	Resistor Chip 0402	2	1
270R	Resistor	R14	L.C.-0402_R	Resistor Chip 0402	2	1
0R	Resistor	R19, R20	L.C.-0402_R	Resistor Chip 0402	2	2
4.7K	Resistor	R23, R31	L.C.-0402_R	Res1	2	2
1K	Resistor	R26, R33	L.C.-0402_R	Res1	2	2
SMA	SMA	RF2	SMA-2	SMA	3	1
Test-Point	Test-Point	TP1	TP	Test-Point	1	1
TP573601DBV	TP573601DBV	TP51	L.C.-SOT-23-5	R	5	1
dwm1000	dwm1000	U1	dw1000	dwm1000	49	1
LXDC2HL_18A	LXDC2HL_18A	U2	LXDC2HL_18A	LXDC2HL_18A	4	1
STM32F103T8U6	STM32 ARM-based 32-bit MCU with 64 Kbytes Flash, 36-pin VQFPFN, Industrial Temperature	U3	VFQFN36_V-5188FC	STM32F103T8U6	36	1
nhm1595a1	Multilayer Chip Balun for	U4	nhm1595a1	nhm1595a1	6	1
74HC1G04	Inverter	U6, U7	74HC1G04	74HC1G04	5	2
MASW007107	RF Switch	U9, U11	MASW007107	MASW007107	9	2
HMC326	Power Amplifier	U10	HMC326MS90	HMC326	9	1
XTAL 38.4Mhz	XTAL	X1	38.4Mhz	XTAL	4	1
BM		X2	3225	XTAL	4	1