







GND	GND
SCK	RXD
SDO	TXD
VC5	VC5

Wenzhou YCIOT Ltd UWB Mini Rev 3s Version 20170517

Comment	Description Polarized	Designator	Footprint	LibRef	Pins	Quantity
	Capacitor			Cap Chip	1	1
1uF	(Radial) Polarized	C1	LC-0402_C	0402	2	
	Capacitor			Cap Chip	_	
10uF	(Radial)	C2 C3, C6, C7,	LC-0603_C	0603	2	
		C9, C11, C12, C13, C18,				
		C19, C20,				
	Polarized Capacitor	C24, C28, C31, C34,		Cap Chip		
100NF	(Radial) Polarized	C41, C45	LC-0402_C	0402	2	
	Capacitor	C4, C5, C21,		Cap Chip		
12pF	(Radial) Polarized	C22, C54	LC-0402_C	0402	2	
	Capacitor			Cap Chip		
10pF	(Radial) Polarized	C8, C10, C23	LC-0402_C	0402	2	
12-5	Capacitor (Radial)	C14	I C-0402 C	Cap Chip		
1.2pF	Polarized	C14	LC-0402_C	0402	2	
27pF	Capacitor (Radial)	C15	LC-0402 C	Cap Chip 0402	,	
27pr	Polarized	CIS	EC*0402_C			
820pF	Capacitor (Radial)	C16	LC-0402_C	Cap Chip 0402	2	
	Polarized					
18pF	Capacitor (Radial)	C17	LC-0402_C	Cap Chip 0402	2	
	Polarized					
10uF	Capacitor (Radial)	C25	TAN-A-3216	Cap Tan A	2	
	Polarized Capacitor	C27, C29,		C Chi-		
330pF	(Radial)	C27, C29, C47, C48	LC-0402_C	Cap Chip 0402	2	
	Polarized Capacitor		1	Cap Chip		
10000pF	(Radial)	C30	LC-0402_C	0402	2	
	Polarized Capacitor		1	Cap Chip 0402, Cap	1	1
4.7μF	(Radial)	C32, C35	LC-0603_C	Chip 0603	2	
	Polarized Capacitor			Cap Chip		
47μF	(Radial) Polarized	C33	LC-0805_C	0805	2	
	Capacitor		1	1	1	1
47uF	(Radial) Polarized	C39	LC-0603_C	Cap Tan A	2	-
	Capacitor	C42, C52,		Cap Chip	1	1
22pF	(Radial) Polarized	C53, C56, C58	LC-0402_C	0402	2	
100-F	Capacitor	C#/	10.0452.2	Cap Chip		1
100pF	(Radial) Polarized	C46	LC-0402_C	0402	2	
2.2uF	Capacitor (Radial)	C49	LC-0402 C	Cap Chip 0402	,	1
	Polarized	- **				
3pF	Capacitor (Radial)	C55	LC-0402 C	Cap Chip 0402	2	
	Polarized					
0.7pF	Capacitor (Radial)	C57	LC-0402_C	Cap Chip 0402	2	
1050170001		CN1	Molex_105017 0001	1050170001	11	
1050170001	Typical	CNI	0001	1050170001	- "	
RED	INFRARED GaAs LED	D1	0603D	LED0	2	
	Typical					
BULE	INFRARED GaAs LED	D2, D3, D5	0603D	LED0	2	
0.5A	Resistor	F1	CR2012-0805	Res1	2	
100uH	Inductor	L1	LC-0402_R	Inductor Chip	2	
Inductor Chip	Inductor Header, 4-	L4	LC-0402_R	Inductor Chip	2	
Header 4X2	Pin, Dual row	P1	HDR2X4	Header 4X2	8	
NPN	NPN Bipolar Transistor	Q1, Q2	SOT-23(SOT- 23-3) NPN	NPN	3	<u></u>
				Resistor Chip 0402		
52.3K	Resistor	R1	LC-0402_R	Resistor Chip	2	
30.1K	Resistor	R2 R3, R9, R10,	LC-0402_R	0402 Resistor Chip	2	
1.5K	Resistor	R25, R30	LC-0402_R	Resistor Chip 0402	2	
		R4, R5, R6, R7, R8, R13, R17,		Resistor Chip		
10K	Resistor	R18	LC-0402_R	0402	2	
11k(1%)	Resistor	R11	LC-0402_R	Resistor Chip 0402	2	
				Resistor Chip	ĺ	
16K	Resistor	R12	LC-0402_R	0402 Resistor Chip	2	-
	Resistor	R14	LC-0402_R	0402	2	
270R	RESISTOI		1	Resistor Chip	2	
270R OR	Resistor	R19, R20	LC-0402_R	0402		
OR 4.7K	Resistor Resistor	R23, R31	LC-0402_R	Res1	2	
0R 4.7K 1K	Resistor Resistor Resistor	R23, R31 R26, R33	LC-0402_R LC-0402_R	Res1 Res1	2	
OR 4.7K 1K SMA	Resistor Resistor Resistor SMA	R23, R31 R26, R33 RF2	LC-0402_R LC-0402_R SMA-2	Res1 SMA		
OR 4.7K 1K SMA Test-Point TPS73601DBV	Resistor Resistor Resistor	R23, R31 R26, R33 RF2 TP1	LC-0402_R LC-0402_R SMA-2 TP	Res1 SMA Test-Point TPS73601DBV	2 3 1	
OR 4.7K 1K SMA Test-Point TPS73601DBV R	Resistor Resistor Resistor SMA Test-Point	R23, R31 R26, R33 RF2 TP1 TPS1	LC-0402_R LC-0402_R SMA-2 TP LC-SOT-23-5	Res1 Res1 SMA Test-Point TPS73601DBV R	2 3 1	
OR 4.7K 1K SMA Test-Point TPS73601DBV R dwm1000	Resistor Resistor Resistor SMA	R23, R31 R26, R33 RF2 TP1 TPS1 U1	LC-0402_R LC-0402_R SMA-2 TP	Res1 Res1 SMA Test-Point TPS73601DBV R dwm1000	2 3 1	
OR 4.7K 1K SMA Test-Point TPS73601DBV	Resistor Resistor Resistor SMA Test-Point dwm1000	R23, R31 R26, R33 RF2 TP1 TPS1	LC-0402_R LC-0402_R SMA-2 TP LC-SOT-23-5 dw1000	Res1 Res1 SMA Test-Point TPS73601DBV R	2 3 1	
OR 4.7K 1K SMA Test-Point TPS73601DBV R dwm1000 LXDC2HL_18	Resistor Resistor Resistor SMA Test-Point dwm1000 STM32 ARM-based 32-bit	R23, R31 R26, R33 RF2 TP1 TPS1 U1	LC-0402_R LC-0402_R SMA-2 TP LC-SOT-23-5 dw1000 LXDC2HL_18	Res1 Res1 SMA Test-Point TPS73601DBV R dwm1000	2 3 1	
OR 4.7K 1K SMA Test-Point TPS73601DBV R dwm1000 LXDC2HL_18	Resistor Resistor Resistor SMA Test-Point dwm1000 STM32 ARM-based 32-bit MCU with 64	R23, R31 R26, R33 RF2 TP1 TPS1 U1	LC-0402_R LC-0402_R SMA-2 TP LC-SOT-23-5 dw1000 LXDC2HL_18	Res1 Res1 SMA Test-Point TPS73601DBV R dwm1000	2 3 1	
OR 4.7K 1K SMA Test-Point TPS73601DBV R dwm1000 LXDC2HL_18	Resistor Resistor Resistor SMA Test-Point dwm1000 STM32 ARM-based 32-bit MCU with 64 Kbytes Flash, 36-pin	R23, R31 R26, R33 RF2 TP1 TPS1 U1	LC-0402_R LC-0402_R SMA-2 TP LC-SOT-23-5 dw1000 LXDC2HL_18	Res1 Res1 SMA Test-Point TPS73601DBV R dwm1000	2 3 1	
OR 4.7K 1K SMA Test-Point TPS73601DBV R dwm1000 LXDC2HL_18 A	Resistor Resistor Resistor SMA Test-Point dwm1000 STM32 ARM-based 32-bit 64 Kbytes Flash, 36-pin VFOFPN,	R23, R31 R26, R33 RF2 TP1 TPS1 U1	LC-0402_R LC-0402_R SMA-2 TP LC-SOT-23-5 dW1000 LXDC2HL_18 A	Res1 Res1 SMA Test-Point TPS73601DBV R dwm1000 LXDC2HL_18 A	2 3 1	
OR 4.7K 1K SMA Test-Point TPS73601DBV R dwm1000 LXDC2HL_18	Resistor Resistor Resistor Resistor SMA Test-Point dwm1000 STM32 ARM-based 32-bit MCU with 64 Kbytes Flash, 36-pin VFQFPN, industrial	R23, R31 R26, R33 RF2 TP1 TPS1 U1	LC-0402_R LC-0402_R SMA-2 TP LC-SOT-23-5 dw1000 LXDC2HL_18	Res1 Res1 SMA Test-Point TPS73601DBV R dwm1000	2 3 1	
OR 4.7K 1K SMA Test-Point TPS73601DBV R dwm1000 LXDC2HL_18 A	Resistor Resistor Resistor Resistor SMA Test-Point dwm1000 STM32 ARM-based 32-bit MCU with 64 Kbytes Flash, 36-pin WF GPPN, Industrial	R23, R31 R26, R33 RF2 TP1 TPS1 U1	LC-0402_R LC-0402_R SMA-2 TP LC-SOT-23-5 dw1000 LXDC2HL_18 A	Res1 Res1 SMA Test-Point TPS73601DBV R dwm1000 LXDC2HL_18 A	2 3 1 5 49	
0R 4.7K 1K SMA Test-Point TPS73601DBV R dwm1000 LXDC2HL_18 A	Resistor Resistor Resistor Resistor SMA Test-Point dwm1000 STM32 ARM-based 32-bit MCU with 64 Kbytes Flash, 36-pin Industrial Temperature Mutiliayer Ch ip Balunsfor UWB	R23, R31 R26, R33 RF2 TP1 TP51 U1 U2	LC-0402_R LC-0402_R SMA-2 TP LC-SOT-23-5 dw1000 LXDC2HL_18 A	Res1 Res1 SMA Test-Point TPS73601DBV R dwm1000 LXDC2HL_18 A STM32F103T8 U6	2 3 1 5 49 4	
0R 4.7K 1K SMA Test-Point TPS73601DBV R dwm1000 LXDC2HL_18 A	Resistor Resistor Resistor SMA Test-Point dwm1000 STM32 ARM- based 32-bit MCU with 64 Kbytes Flash, 36-pin VFCPPN, Industrial Temperature Multilayer Ch Ip Ballursfor	R23, R31 R26, R33 RF2 TP1 TPS1 U1 U2	LC-0402_R LC-0402_R SMA-2 TP LC-SOT-23-5 dw1000 LXDC2HL_18 A	Res1 Res1 SMA Test-Point TPS73601DBV R dwm1000 LXDC2HL_18 A STM32F103T8 U6	2 3 1 5 49 4	
0R 4.7K 1K SMA Test-Point TPS73601DBV R dwm1000 LXDC2HL_18 A	Resistor Resistor Resistor Resistor SMA Test-Point dwm1000 STM32 ARM-based 32-bit MCU with 64 Kbytes Flash, 36-pin Industrial Temperature Mutillayer Ch ip Balunsfor UWB Inverter RF Switch	R23, R31 R26, R33 RF2 TP1 TP51 U1 U2	LC-0402_R LC-0402_R SMA-2 TP LC-SOT-23-5 dw1000 LXDC2HL_18 A VFQN36_V- 引脚长 hhm1595a1 74HC1G04	Res1 Res1 SMA Test-Point TPS73601DBV R dwm1000 LXDC2HL_18 A STM32F103T8 U6	2 3 1 5 49 4	
OR 4.7K 1K SMA Test-Point TPS73601DBV R dwm 1000 LXDC2HL_18 A STM32F103T8 U6 hhm1595a1 74HC1G04	Resistor Resistor Resistor Resistor SMA Test-Point dwm1000 STM32 ARM-based 32-bit MCU with 64 Kbytes Flash 36-pin VFOFPN, Industrial Temperature Mutillayer Ch ip BalunsFor UWB Inverter RF Switch Power	R23, R31 R26, R33 R72 TP1 TP1 U1 U2 U3 U3	LC-0402_R LC-0402_R SMA-2 TP LC-SOT-23-5 dw1000 LXDC-2HL_18 A VFON36_V-3 引脚长	Res1 Res1 SMA Test-Point TPS73601DBV R dwm1000 LXDC2HL_18 A STM32F103T8 U6 hhm1595a1 74HC1G04	2 3 1 5 49 4 4	
OR 4.7K 1K 5MA Test-Point TPF73601DBV R dwm1000 LXDC2HL_18 A STM32F103T8 U6 hhm1595a1 74HC1G04 MASW007107	Resistor Resistor Resistor Resistor SMA Test-Point dwm1000 STM32 ARM-based 32-bit MCU with 64 Kbytes Flash, 36-pin Industrial Temperature Mutillayer Ch ip Balunsfor UWB Inverter RF Switch	R23, R31 R26, R33 RF2 TP1 TP1 TPS1 U1 U2 U3 U3 U4 U6, U7 U9, U11	LC-0402_R LC-0402_R SMM-2 TP LC-SOT-23-5 dw1000 LC-SOT-23-6 dw10000 LC-SOT-23-6 dw1000 LC-SOT-23-6 dw1000 LC-SOT-23-6 dw1000 LC-SOT-23-6 dw1000 LC-SOT-23-6 dw1000 LC-SOT-23-6 dw1000 LC-SOT-23-6 dw1000 LC-SOT-23-6 dw1000 LC-SOT-23-6 dw1000 LC-SOT-23-6 dw10000	Res1 Res1 Res1 SMA Test-Point TPS73601DBV R dwm1000 LXDC2HL_18 A STM32F103T8 U6 hhm1595a1 74HC1G04 MASW007107	2 3 3 1 1 5 4 9 4 4 4 4 5 5 5 9 9	