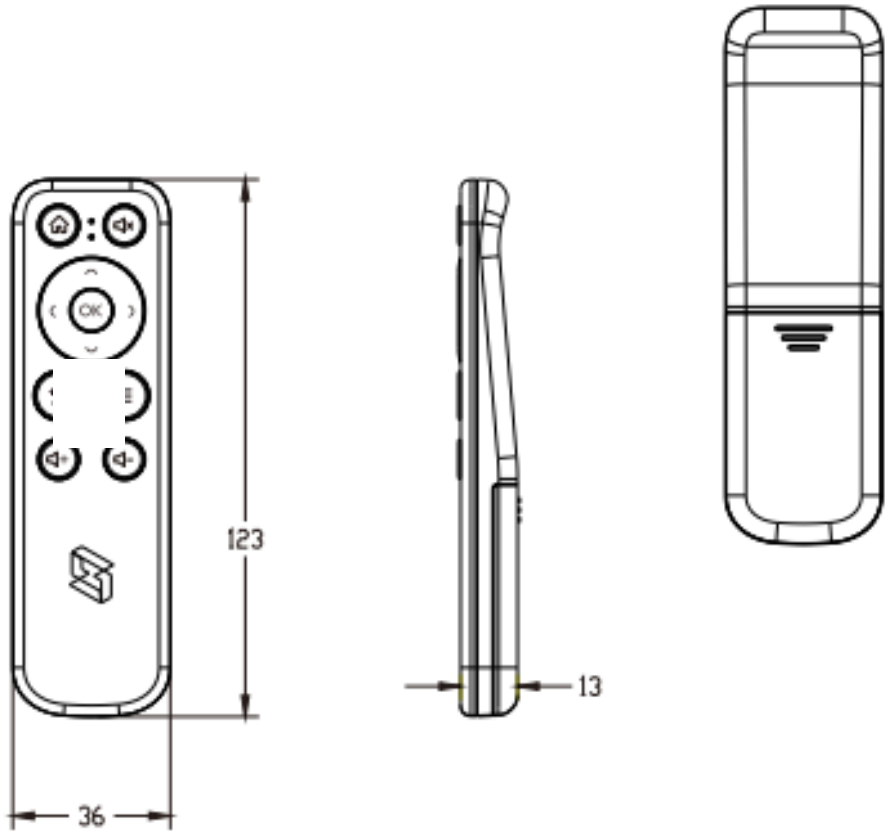
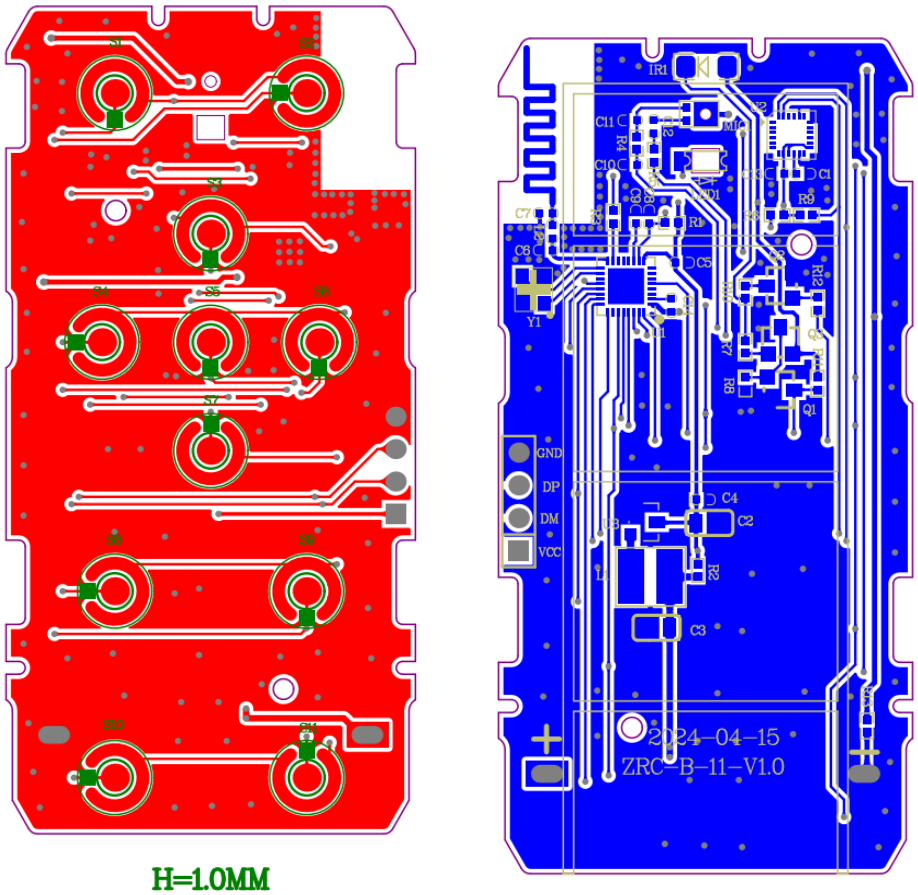
ZRC-BU-11 BT remote User Manual

Product profile

Outside view drawing:



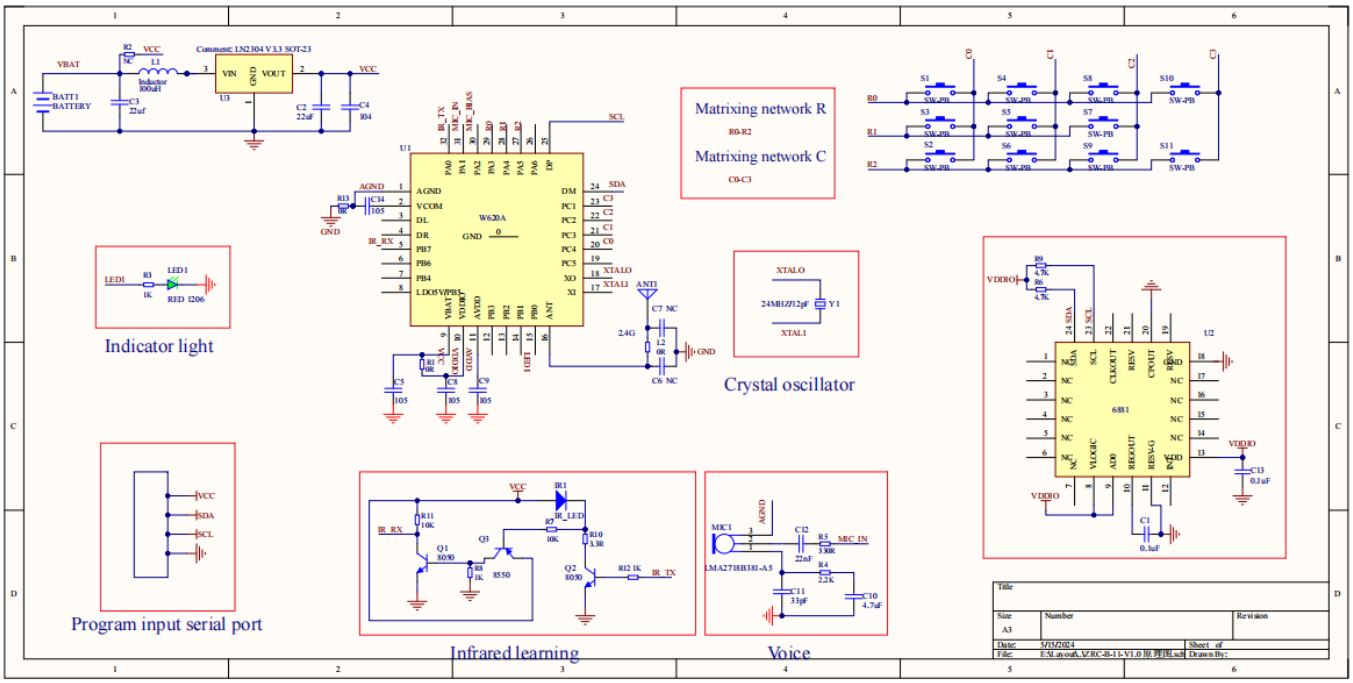
PCB graph:



H=1.0MM

160*144.6/10,FR-4/1.0mm Green and white word OSP, plus printing

Electrical schematic diagram



Ver2.0

1. Bluetooth button function
2. 2.4G button function

Key key value

order number	key	Key function	The HID key value code table		explain
			Usage Page	Usage ID	
1		HOME	07	102	
2		MUTE	07	89	
3		OK	07	40	
4		UP	07	82	
5		DOWN	07	81	
6		LEFT	07	80	
7		RIGHT	07	79	
8		BACK	07	127	
9		MENU	07	74	
10		VOL+	07	118	
11		VOL-	07	128	

Functional operation instructions

- **USB receiving terminal**

.1.T2 + USB receiver is defined as a standard HID device, plug and play, receives transmitter signals and data, and supports Windows, Android and iOS systems

- **2.4G linkage**

.1 After power up, hold the OK and Home keys of the remote control, and the LED light flashes slowly into 2.4G connection mode for 30 seconds.

.2The 2.4G connection —— is inserted into the USB receiving end to power up and wait for about 3 seconds.

If the LED light goes off, the 2.4G connection is successful.

- **bluetooth connection**

.1 After power up, hold the OK and Home keys of the remote control, and the LED lights flash into Bluetooth pairing mode and last for 30 seconds.

.2 After Bluetooth connection ——, press the "OK" key and "Home" key of the remote control. At this time, the LED lights flash slowly into Bluetooth pairing mode and last for 30 seconds. Then search the Bluetooth device name is "T2_remote_RC001" connection. If the LED light is off, the Bluetooth pairing is successful.

- **LED light instructions**

. 1 2.4G is not connected or Bluetooth is not connected, LED light press on, long on time.

. 2 2.4G connection or Bluetooth connection state, LED light press once bright, long press often bright.

- **Sleep mode**

. 1 2.4G connection or Bluetooth connection for 1 hour without remote control will automatically enter the sleep mode. At this time, press any button to wake up the remote control.

. 2 2.4G Without connection or Bluetooth connection for 10 seconds, press any key to wake up the remote control.

Function:

1. The Bluetooth mode remote control is 10M, responds 20ms, immediately enters the low power mode with no operation, Bluetooth keeps connected, goes into hibernation one hour later, press any key to wake up, and the wake up connection response (reconnection) time is <2s.
2. The 2.4G mode remote control is 10M away, response 20ms, no operation immediately enters the low power mode, 2.4G keep connected, sleep an hour later, wake up according to any key, wake up the connection response (connection) time <2s.
3. The remote control power consumption can be used continuously for at least 6 months.

Electrical parameters

receiving terminal	working temperature	-40~85℃
	Storage temperature	-40~90℃
	working voltage	2.2~4.5V
	service frequency	2400~2480MHZ
telecontroller	working temperature	-40~85℃
	Storage temperature	-40~90℃
	working voltage	2.2~4.5V
	Dynamic current (Bluetooth)	The average current of short press was <7 mA
		Long press key average current <7 mA
	Dynamic current (2.4G)	The average current of short press was <7 mA
		Long press key average current <7 mA
	Static current (low power consumption)	Bluetooth connection to 200 uA
		Bluetooth disconnect to 2 uA
		2.4G linkage ≤500uA
		2.4G to disconnect from 2 uA
	2.4G and Bluetooth working frequency	2400~2480MHZ

FCC STATEMENT

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interferencereceived, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

For a Class B digital device or peripheral, the instructions furnished the user shall include the following orsimilar statement, placed in a prominent location in the text of the manual:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection againstharmful interference in a residential installation. This equipment generates, uses and can radiate radiofrequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in aparticular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct theinterference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement.