

1 Overview

receiver PCB module uses 2.4 GHz wireless data transmission module one. 28 remote control buttons and a red status indicator, using two AAA batteries. Receiver PCB module is made in accordance with specific size requirements, the interface has a USB interface
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 interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

2 operating instructions

2 · 1 Remote control and receiver connections.

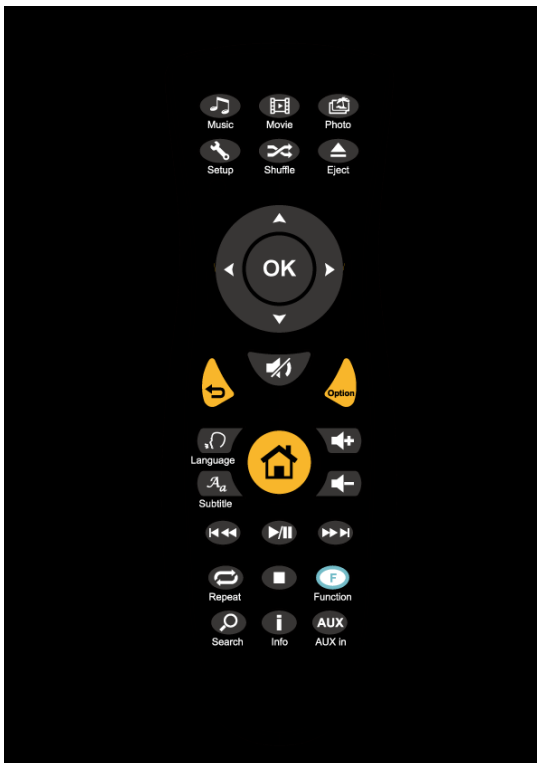
Power off the host, while holding the remote control Return and Option keys, the two AAA batteries into the remote control marked by positive and negative inside, LED flash, then release the button, the remote control is connected to the code. During this power on the host, the remote control receiver with this host connection. If successful the remote control to enter the work state, the LED stops flashing the remote control.

Note: The code to connect to the remote control to enter the state, if not two minutes to complete the work on the code or press any key to connect, the exit status of the code. If you want to re-enter the code to connect to the connection status of the code.

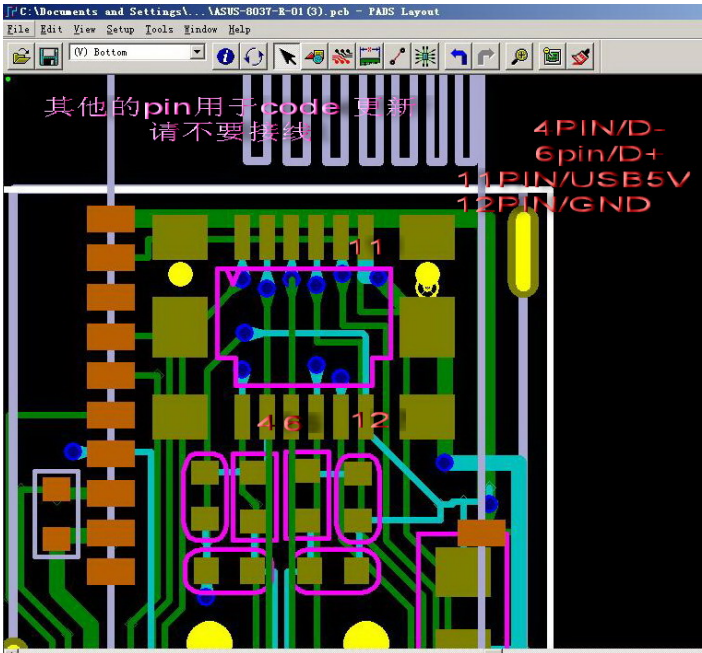
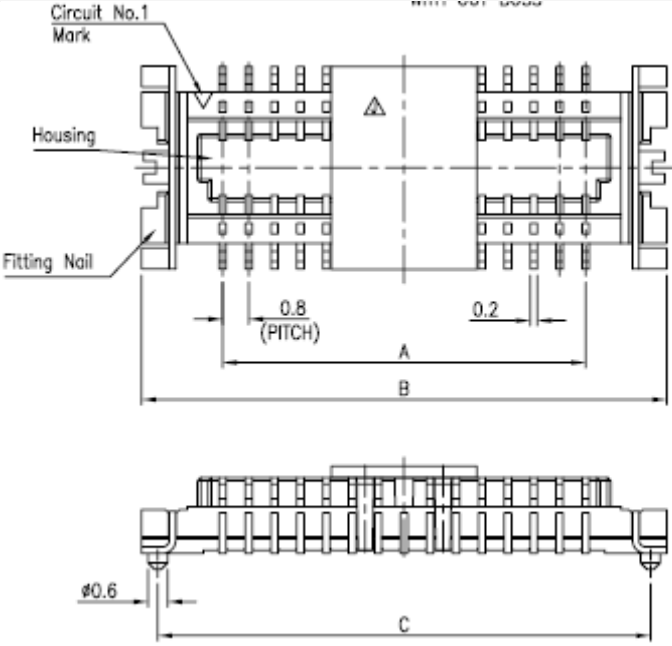
Remote control and receiver connected to the code once, it will be one to one control, with no need to code after the operation. Unless the remote control to change the new terminal and re-code new control side after. Will lose the original remote control side of the connection.

2. 2 remote control and receiver PCB interface

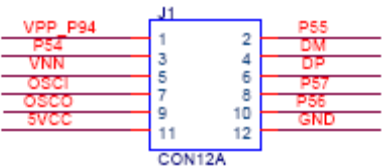
Remote control



Receiver PCB module interface definitions



USB interface definitions



USB HID key Definition:

NO	Key name	HID KEY CODE
1	Music	u
2	Movie	v
3	Photo	p
4	Setup	TAB
5	Shuffle	t
6	Eject	j
7	Up	up
8	Left	left
9	Ok	enter
10	Right	right
11	Down	down
12	Return	Esc
13	Mute	m
14	Option	o
15	Language	a
16	Home	h
17	Volume Up	+

18	Subtitle	t
19	Volume Down	-
20	Rewind /Skip back	,
21	Play/pause	space
22	Skip_Foward/fast_Foward	.
23	repeat	r
24	stop	s
25	function	d
26	search	g
27	info	i
28	AUX in	x

3 Product Specification

3 · 1 Environment

The product for indoor use

operating temperature : 0~45 °C

storage temperature : -20~60 °C

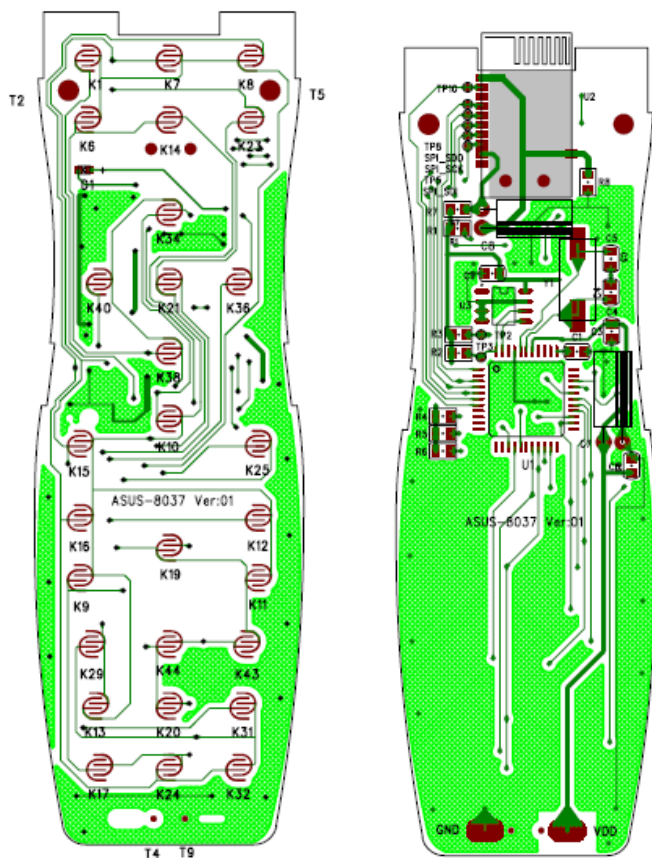
Humidity : 5%~90% N/C

3. 2 Electrical Specifications

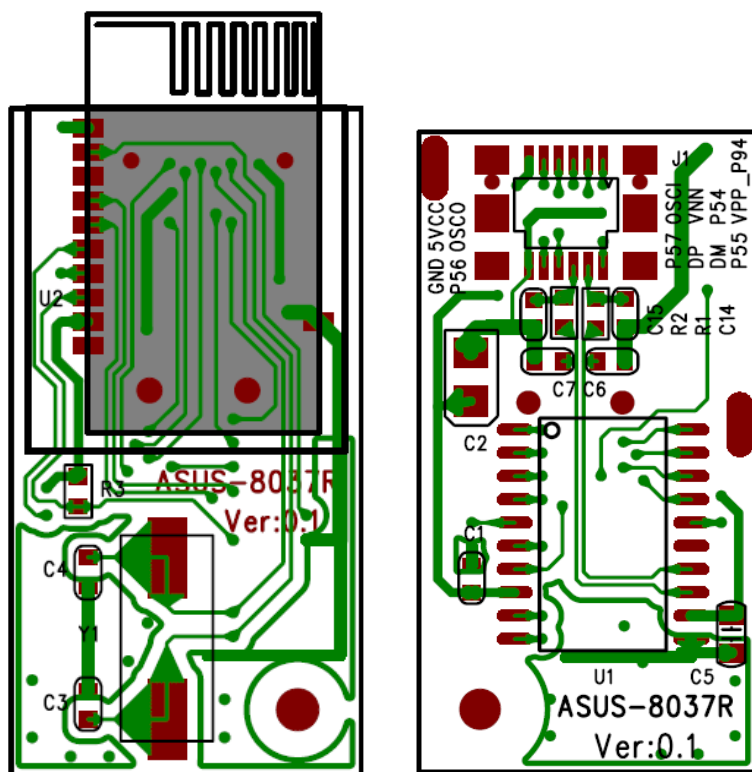
NO.	ITEM	SPEC	UINT	
1	VOTAGE	Remote Controller	2.2~3.3	V
2		Receiver PCB	4.4~5.5	V
3	CURRENT	Remote Controller Active	30 max	mA
4	CURRENT	Remote Controller Idle	1 max	mA
5		Remote Controller Sleep	20 max	uA
6		Receiver PCB Active	30 max	mA
7		Receiver PCB Idle	500 max	uA
8	RF	Frequency Range	2.403~2.469	GHz
9		Out power	0	dBm
10		Receiver sensitivity	-90	dBm
11		Distance	> 10	M
12		Channel	16	
13		Modulation	FSK	

4 PCB

Remote controller PCB top bottom layout

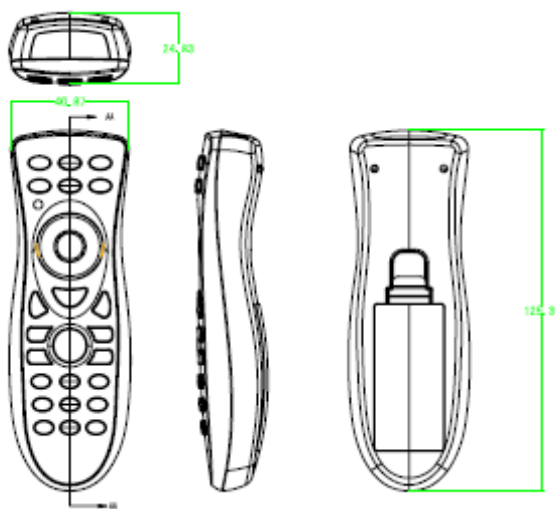


Receiver module PCB Top bottom layout

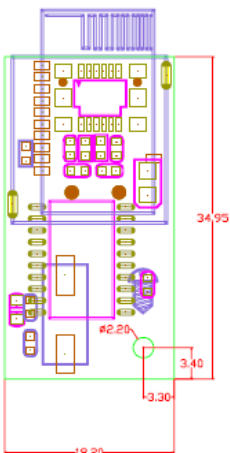


5 Dimensional Drawings

Remote controller Dimensional Drawing



Receiver PCB Module Dimensional Drawing



6 Remote controller silk print artwork



Labelling Requirements for End Product

For an end product using the RF Receiver Module must FCC ID: AZW-CWT8037RX must be a label containing, at least, the following information

This device contains FCC ID: AZW-CWT8037RX

The label must be affixed on an exterior surface of the end products such that it will be visible upon inspection in compliance with the modular approval guidelines developed by the FCC.

In addition, the user manual for the end product must contain the following information:

"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 interference received, including interference that may cause undesired operation"

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 against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency 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 a particular 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 the interference by one 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.

Integration

