

Blink FM MODULE introduce

The Introduction of B-LINK' s module series in existence.

1.FM reception of a radio Tuner modules

- (1)B-LINK SERIES
- (2)SEMICO SERIES
- (3)PHILIPS SERIES
- (4)NIIGATA SERIES
- (5)SIGMATEL SERIES

2.FM transmit modules

- (1)QUINTIC SERIES
- (2)ROHM SERIES

Profile of B-LINK

The B-LINK' Company was established in 1997 in SHENZHEN .We have already successfully past The European Quality System Authentication :Mass scale Base of Production is authenticated by FCC(Federal Communications Commission) and CE(Conformite Europeenne) .The Professional researcher(developer) for Frequency in Modulation(FM) CMOS chipset and The mass manufacturer for Reception of a Radio team.

ISO(International Organization for Standardization) system to manage, enoughful capital and powerful productivity.It is a line that connect developing and researching of chip and manufacturing for product with distribute(selling) finished product and technique service .And apply ourself to circling—product of developing market.

We have always been having one intention(notion) that regard science and technology as pioneer ,production as leader .Now ,vigorously develop tactic of brand ,track international guideline ,insist on principle that never give up innovating ,be established in dog-eat-dog IT industry.

Our company hold self-governed brand.For instance,There are a kind of FM chip about the brand of “B-LINK” that abroad is applied to consumed-kind electronic product for seeing and hearing and home-electric production.

For instance:MP3Player,MD,PDA,Mobile Phone ,electronic lexicon ,cir-reading machine, portable VCD/DVD ,vehicle with FM ,sound box with power supply etc. excellent production and benefical price, favorable rate exceed 99.5%,It is deeply trusted by many electronic company .We expect our pure-hearted service that could obtain friendly cooperation.

<1>The introduction for production of B-LIBK

BL2205 (COB) Yieldly:WuXi, JiangSu, china

This is the first style chip of FM in our company which was developed in May,2004.It is formally come into the market after adopting COB with encapsulation ,which is the FM team of minimum price in the market presently .It isn' t PLL in inner .As a result ,you can only the frequency of broadcasting station and manual tune up ,So ,It doesn' t keep the broadcasting station and display current frequency with tune in broadcasting station(At the same time ,when you will put the COB with encapsulation replace the PHILIPS TEA5767 FM team ,you need to modify software).It is mostly used in the low-end gift market of MP3.

Frequency of working:88-108MHZ

Voltage of working:2.3-2.7V

BL2206 (COB) Yieldly:WuXi, JiangSu, china

This style is higher edition of the BL2205.For save cost ,operate(use) conveniently for customer ,We just now push the most style out the market .It is also adopted COB with encapsulation .The FM team can completely substitute the FM team of the TEA5767,and don' t modify the software.

Frequency of working: 76-108MHZ

Voltage of working: 2.8-5.0V

BL5767 (QFN40) Yieldly:WuXi, JiangSu, china

In January,2005.We have successfully push the style of the BL5767 to the market ,It' s completely substitute the TEA5767 chip of the PHILIPS which is importation .Nowadays It' s also the more favored FM chipset in the market.

Frequency of working: 76-108MHZ

Voltage of working: 2.8-5.0V

BL5767A (QFN32) Yieldly:WuXi, JiangSu, china

The This style is higher edition of the BL5767, We are mostly conquer the over-big cubage for the BL5767. And increase extend its application of the realm , reduce cost . And we would change the former encapsulation of the HVQFN40 into HVQFN32, which is completely to incorporate and lodge the TEA5767 of the PHILIPS.

Frequency of working: 76-108MHZ

Voltage of working: 2.8-5.0V

BL5767D (QFN24) Yieldly:Taiwan

For going the same feet as the science and technology , reduce cost , shrink the cubage of the production , We would push the style FM chipset which is complete made technics of the COMS . Owing to the style is different from the traditional style that is the admixture by the digital and the FM . The style have come true the completely digital for the FM . Consequently , We are effectively resolve one hang-up which the FM team is easy interfere for the surroundings . Meanwhile , It ensure good-quality the effect of the reception of a radio. In the future, It will be the outstanding FM team in the market. This FM team can incorporate and lodge the TEA5767 team , and don' t modify any the hardware and the software.

Most Advantage:

- *CMOS receiver with technological-digital-low intermediate frequency
- *System of the low cost
- *Frequency synthesizer with integrated VCO
- *Low-noisy sound High cut
- *Programmable- Low-noisy sound and amplifier
- *automatic frequency control (AFC)
- *automatic gain control (AGC)
- *Adaptive noise cancellation
- *Bass boost
- *Measurement(size)4*mm*4mm 24 Pin , less cubage

Frequency of working: 76-108MHZ

Voltage of working: 2.7-5.5V

<2>The introduction for production of SEMICO

CS3667 (QFN40) Yieldly:WuXi, JiangSu, china

The products which come from WUXI CHINA RESOURCES SEMICO CO.,LTD. Wuxi, can replace PHILIPS TEA5767 absolutely. The primeval products is less performance than the importation because of the draggled technology in our country. Now, CS3667 can compare beauty with other brand through optimized and correcting this year by SEMICO

CO., LTD.

Frequency of working: 76-108MHZ

Voltage of working: 2.8-5.0V

CS3667A (QFN32) Yieldly: WuXi, JiangSu, china

The chipsets is with the same performance with CS3667, but with reduced encapsulation cubage. This change will lower the cost of the chipset and increase the extension of the application.

Frequency of working: 76-108MHZ

Voltage of working: 2.8-5.0V

<3>The introduction for production of PHILIPS

TEA5767 (QFN40) Yieldly: Holand

Tea5767 is one classical FM reception of a radio which design with both digital and modules. This chipset's advantage also include PLI compose FM system, automatism digital tune, high sensitive, less noise, low power, but with perfect performance, tone and easy debugged software.

Tea5767 is the mainstream products in present market and mostly apply to all kinds of the digital carried products, which nearly would be the main solution in present multimedia project.

Frequency of working: 76-108MHZ

Voltage of working : 2.5-5.0V

<4>The introduction for production of NIIGATA

NS953 (QFN32) Yieldly: Japan

NS953 is imported Japan whose advantage would be with high integration automatism digital tune; less noise, low power, and perfect performance. Because of without the mainstream solution, so only part clients choose to use.

Frequency of working: 75-108MHZ

Voltage of working : 2.5-3.6V

<5>The introduction for production of SIGMATEL

STFM1000 (QFN32) Yieldly:America

As the leader of the carried digital FM technology in global market, Sigmatel can offer client the solution project for semiconductor and software which with its own patent.

STFM1000 is the single chipset for FM tune solution project with high compositive and low power. The optimized wireless construct work in STMP3600 which is the fourthly products and SoC which belong to one-up STMP3500 series can provide FM radiogram function.

The combination can boost up the function of the digital FM player ,PDA ,radiogram ,Mobile telephone ,carried video frequency player and digital PIC file.

The optimized wireless construct has the ideal system subarea ,integrate with the function of automatism choose channel ,tune and stereo decode, with low power can shrink the cost of the system. The shortage of this chipset is liable to be disturbed ,and have the strictly requirement about the PCB layout. presently mostly apply in SIGMATEL solution.

Frequency of working:76-108MHZ

Voltage of working :2.73.6V

<6>The introduction for production of QUINTIC

QN8000 (QFN32) Yieldly :TAIWAN

Quintic in America is one professional company which offer FM product solution projects ,the high performance single chipset solution project is the champion in this field. QN8000 mostly be used in vehicle emitter ,carried emitter ,GPS carried navigation device ,the mobile telephone and MP3 player with FM emit function ,etc . The loaded device

FM emitter which used in vehicle will be required more quantity and much higher performance will be the main market in the future .

The advantage just as follow;

- * 4*4MM QFN encapsulation, then the cubage would be much smaller.
- * Fully integrated pre-emphasis circuit with 75/50 μ s programmable, no external cap
- * Support standby and power saving mode
- * Low power consumption: 10mA at 0dBm RF output power
- * Integrated 2-wire, 3-wire and GPIO interface controlled by mode selection pins
- * 80dB SNR, 0.1% THD at MPX output ,40dB L/R separation.
- * Successfully post the international FCC authentication.

Frequency of working:76-108MHZ

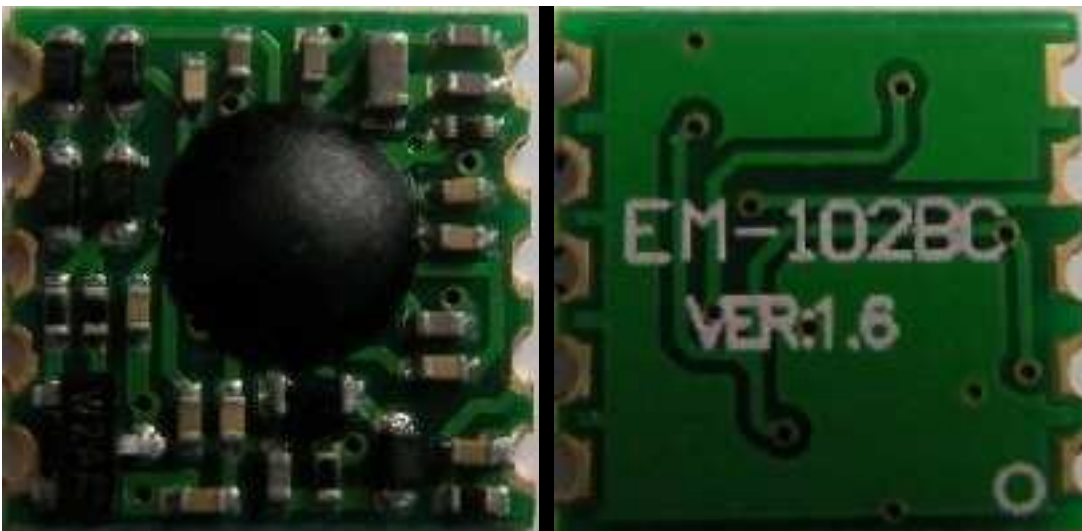
Voltage of working:2.7-3.6V

<7>The introduction for production of ROHM

BH1415 (SOP22) Yieldly :Japan

ROHM wireless FM links LSI products include FM device transmit CD and other similar FM signal through FM wave form or FM emitter(Incept by FM take-over tuner). This product can bring high quality stereo. There will be pre-emphasis circuit, limiter circuit ,LPF ,stereo Modulate circuit ,and PLL frequency synthesizer in BH1417. The single chipset can carry out FM transmission.

Model NO:EM-102BC V:1.6



brief instruction:

The pins number:10pin 5+5

chipset project:BL2205 COB(the chipset over board)

the size of the exterior:11.0*11.0*1.8

control mode: combination control with high and low voltage

usual project: ACTION Ali SIGMATEL etc

Voltage of working:2.3-2.7V

Frequency range:88-108MHZ

Advantage:

The cheap radio tuner Modules ,control easily, control by combination high and low voltage

Disadvantage: there is no PLI inside ,it have to move the channel by hand ,and it cann' t

save the channel ,and it also cann' t display the frequency of the current channel.
As COB is used ,it need to pay more attention to prevent creepage and static.

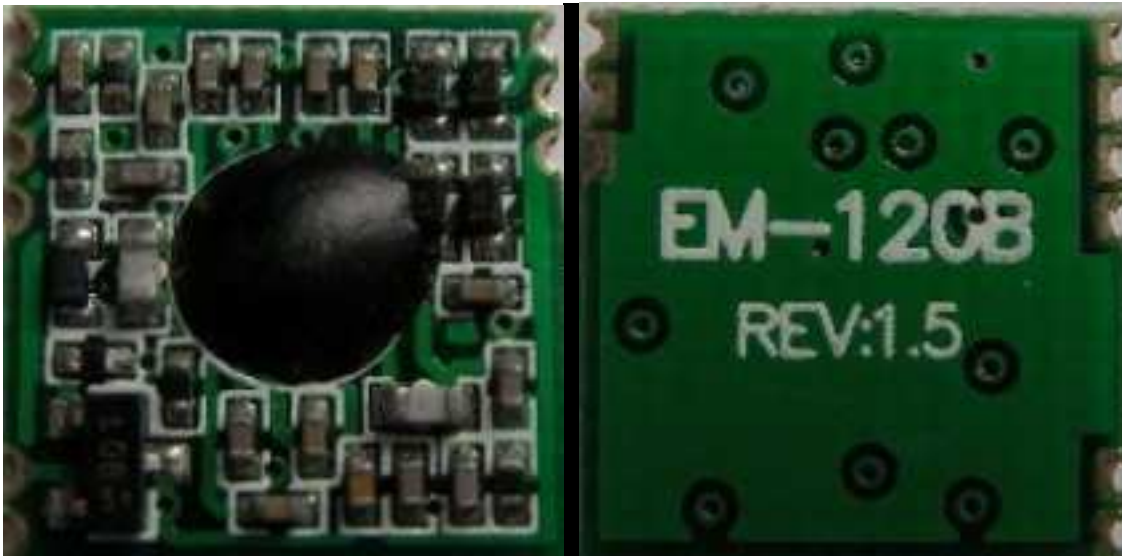
Remarks:

When pin to pin solution TEA5767, it need to change the original IIC to control into
Voltage to control.

Correlation data :

see to chipset datasheet, acknowledgment ,SGS , etc

Model NO:EM-120B V:1.5



Brief Instruction:

The pins number:9pin 3+6
chipset project:BL2205 COB(the chipset over board)
the size of the exterior(mm):12.0*12.0*1.8
control mode: combination control with high and low voltage
usual project: ACTION Ali SIGMATEL etc.
Voltage of working:2.3-2.7V
Frequency range:88-108MHZ

Advantage:

The cheap radio tuner Modules ,control easily ,and use the to control by both high
and low voltage

Disadvantage:

Because there is no PLL inner ,it have to move the channel by hand ,and it cann' t
save the channel ,and it also cann' t display the frequency of the current channel.
As COB is used ,it need to pay more attention to prevent creepaging and static.

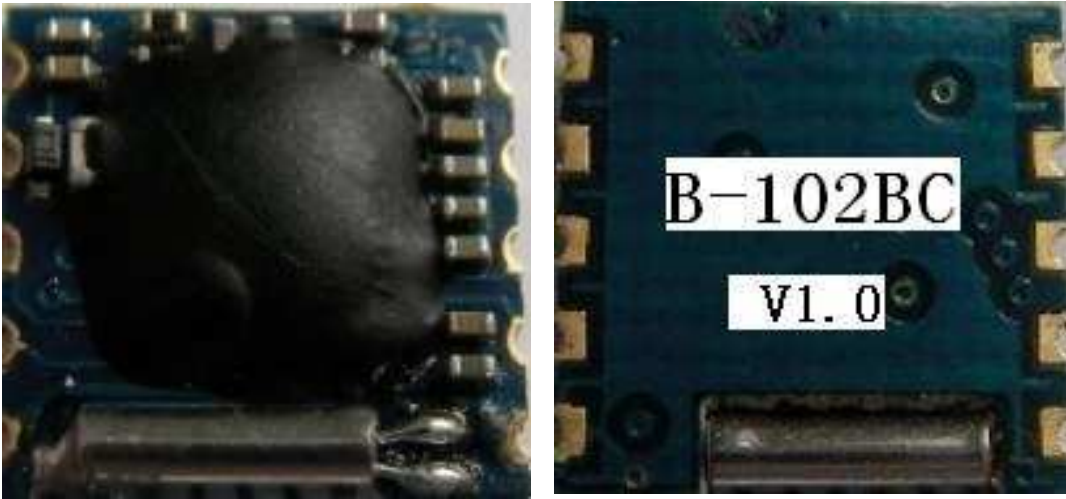
Remarks:

When replace the same pins project TEA5767, it need to change the original IIC
to control into Voltage to control.

Correlation data :

see to chipset datasheet, acknowledgment ,SGS , etc

Model NO:B-102BC V:1.0



Brief Instruction:

The pins number:10pin 5+5

chipset project:BL2206

the size of the exterior(mm):11.0*11.0*2.0

control mode:IIC/3-Wire

usual project:all

Voltage of working:2.8-5.0V

Frequency range:76-108MHZ

Advantage:

The only one COB products belong to digital FM tuner modules

Disadvantage:

As COB is used ,it need to pay more attention to prevent creepaging and ESD.

Remarks:

It can absolutely replace the same pins project TEA5767

Correlation data :

see to chipset datasheet, acknowledgment ,SGS , etc

Model: B-102BC (BL5767)



Brief Instruction :

The pins number: 10pin 5+5

chipset project: BL5767

the size of the exterior (mm): 11.0*11.0*2.0

software control mode: IIC/3-Wire

usual project: all

Voltage of working: 2.8-5.0V

Frequency range: 76-108MHZ

Advantage:

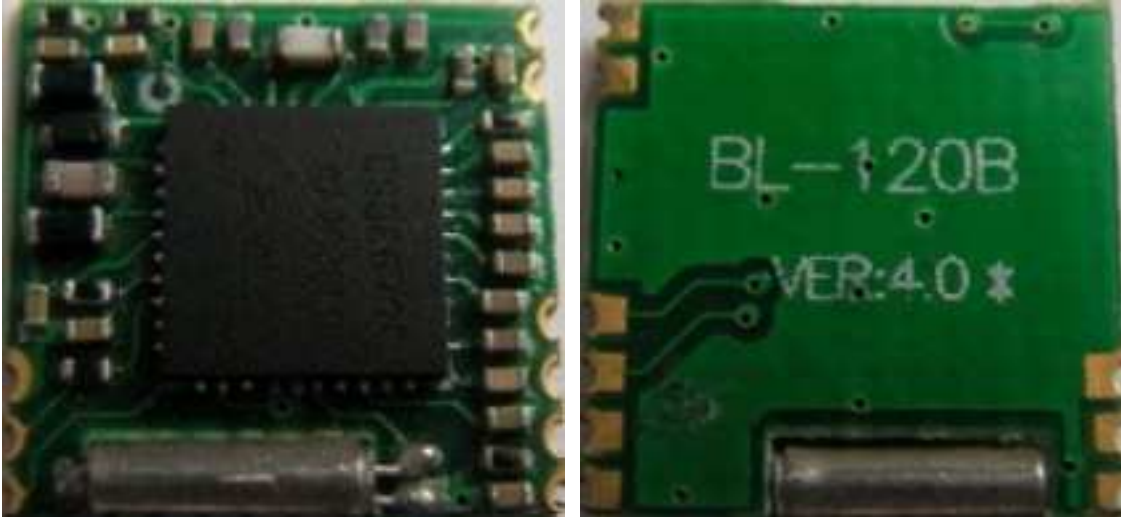
Use the multi-layers PCB design, strongly anti-jamming ability. High Cost-Effective;

Disadvantage: the size of the chipset is a bit big.

Remarks: Lead free reflow, and can compatible pin to pin TEA5767 Solution.

Correlation data : see to chipset datasheet, acknowledgment, SGS, etc

Model No:B-120B(BL5767)



Brief Instruction

The pins number:9pin 3+6
chipset project:BL5767
the size of the exterior(mm):12.0*12.0*2.0
software control mode: IIC
usual project: all
Voltage of working:2.8-5.0V
Frequency range:76-108MHZ

Advantage:

Use the multi-layers PCB design ,strongly anti-jamming ability. High Cost-Effective.

Disadvantage:

the size of the chipset is a bit big.

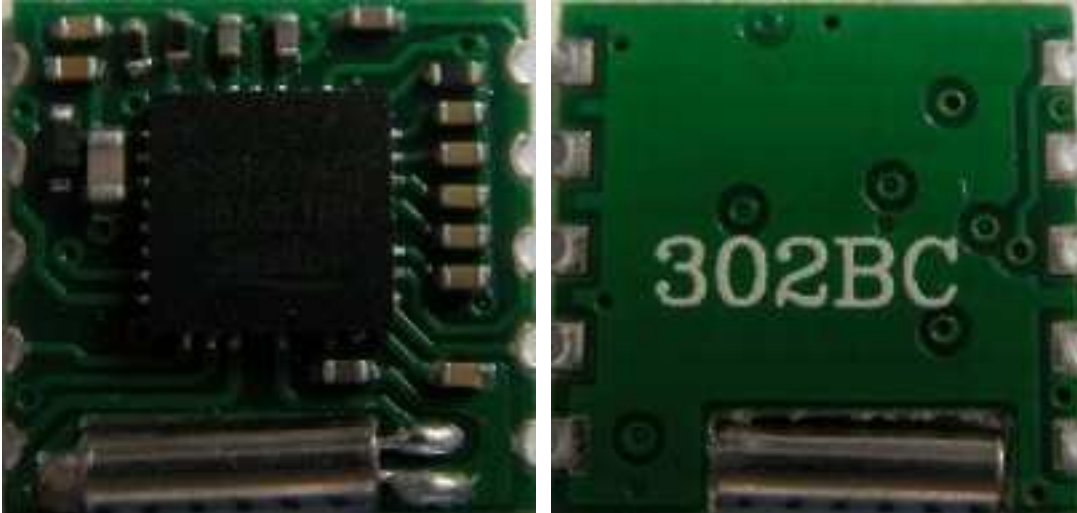
Remarks:

Lead free reflow ,and can compatible pin to pin TEA5767 Solution.

Correlation data :

see to chipset datasheet, acknowledgment ,SGS , etc

Model NO:302BC (BL5767A)



Brief Instruction :

The pins number:10 pin 5+5

chipset project:BL5767a

the size of the exterior(mm):11.0*11.0*2.0

software control mode:IIC/3-Wire

usual project :all

Voltage of working:2.8-5.0V

Frequency range:76-108MHZ

Advantage:

Use the multi-layers PCB design ,strongly anti-jamming ability. The encapsulation volume of the IC is small ,and the space between the component is enough ,so the user can easy to jointing.

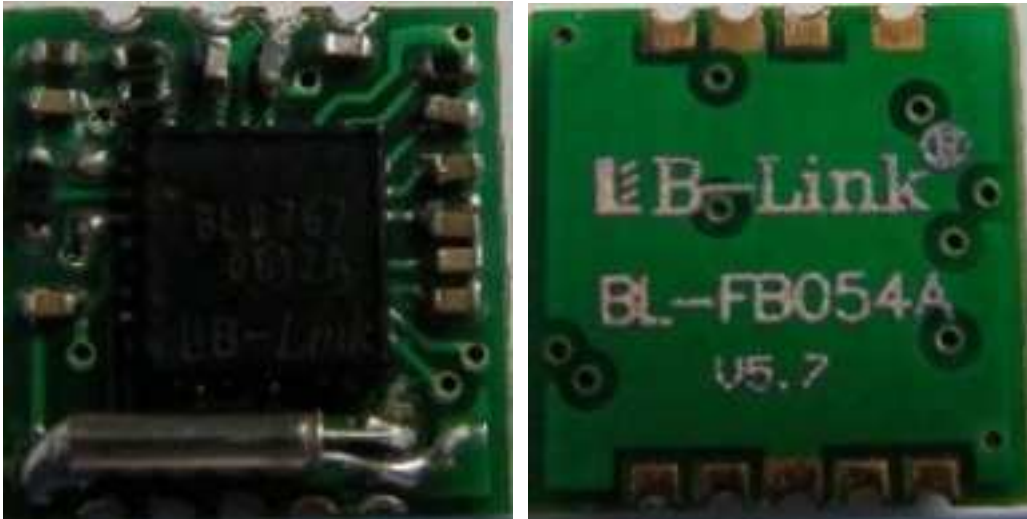
Remarks:

Lead free reflow ,and can compatible pin to pin TEA5767 Solution.

Correlation data :

see to chipset datasheet, acknowledgment ,SGS , etc

Model No:BL-FB054A (BL5767a)



Brief Instruction :

The pins number:9 pin 5+4
chipset project:BL5767a
the size of the exterior(mm):10.0*10.0*1.8
software control mode:IIC/3-Wire
usual project :all
Voltage of working:2.8-5.0V
Frequency range:76-108MHZ

Advantage:

Use the multi-layers PCB design ,strongly anti-jamming ability. The encapsulation volume of the IC is small ,and the space between the component is enough ,so the user can easy to jointing.

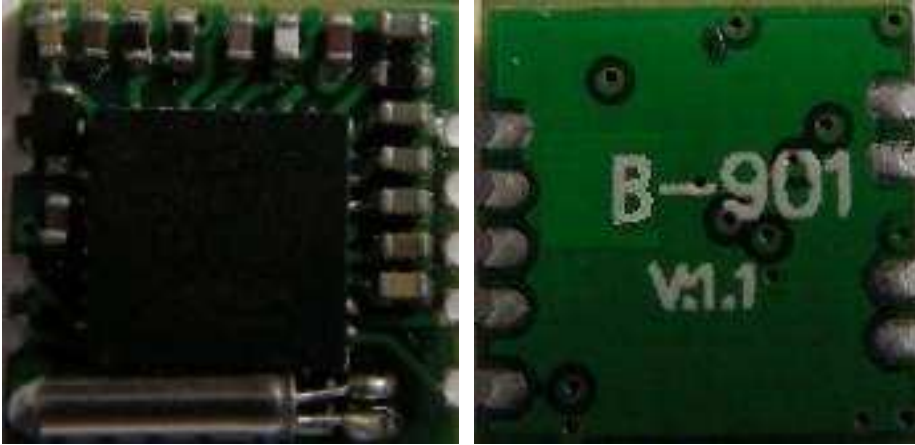
Remarks:

Lead free reflow ,and can compatible pin to pin TEA5767 Solution.

Correlation data :

see to chipset datasheet, acknowledgment ,SGS , etc

Model NO:B-901B(b15767a)



Brief Instruction :

The pins number:9 pin 5+4

chipset project:BL5767a

the size of the exterior(mm):9.0*9.0*1.8

software control mode:IIC/3-Wire

usual project :all

Voltage of working:2.8-5.0V

Frequency range:76-108MHZ

Advantage:

Use the multi-layers PCB design ,strongly anti-jamming ability.

Disadvantage:

The space between the component is dense.

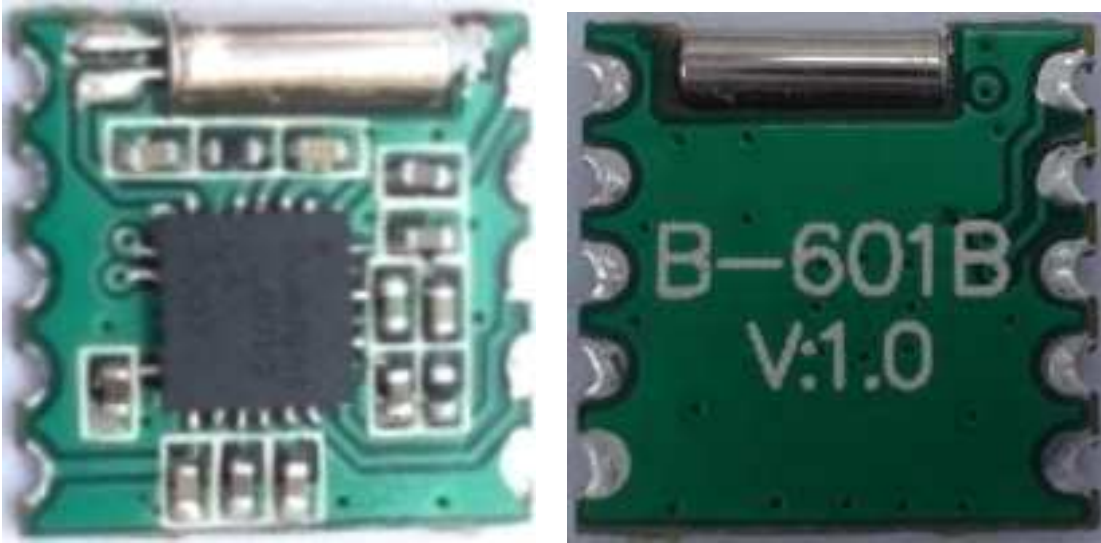
Remarks:

Lead free reflow ,and can compatible pin to pin TEA5767 Solution.

Correlation data :

see to chipset datasheet, acknowledgment ,SGS , etc

Model NO:=B-601B(BL5767D)



Brief Instruction:

The pins number:10 pin 5+5
chipset project:BL5767D
the size of the exterior(mm):11.0*11.0*2.0
software control mode :IIC
usual project: ACTION ALI SIGMATEL etc
Voltage of working: 2.7-5.5V
Frequency range:76-108MHZ

Advantage:

Full digital FM radio module ,and the size is small ,high sensitive ,strong anti-jamming ability ,easy tune ,nice timbre

Disadvantage:

nonsupport 3-Wire

Remarks:

Lead free reflow ,and can compatible pin to pin TEA5767 Solution.

Correlation data :

see to chipset datasheet, acknowledgment ,SGS , etc

Model NO:B-102BC (CS3667)



Brief Instruction :

The pins number:10 pin 5+5
chipset project:CS3667
the size of the exterior(mm):11.0*11.0*2.0
software control mode:IIC/3-Wire
usual project :all
Voltage of working:2.8-5.0V
Frequency range:76-108MHZ

Advantage:

High Cost-Effective;

Disadvantage:

the size of the chipset is a bit big.

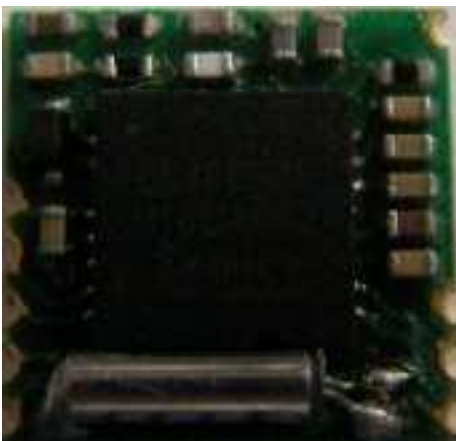
Remarks:

Lead free reflow ,and can compatible pin to pin TEA5767 Solution.

Correlation data :

see to chipset datasheet, acknowledgment ,SGS , etc

Model No:BL-FB051A (CS3667A)



Brief Instruction:

The pins number:9 pin 4+5
chipset project:CS3667A
the size of the exterior(mm):9.0*9.0*1.8
software control mode:IIC/3-Wire
usual project :all
Voltage of working:2.8-5.0V
Frequency range:76-108MHZ

Advantage:

The cost is cheap

Disadvantage:

Use the two-layer inside inductance design ,have some degree require about user' s motherboard' s layout

Remarks:

Lead free reflow ,and can compatible pin to pin TEA5767 Solution.

Correlation data :

see to chipset datasheet, acknowledgment ,SGS , etc

Model No: B-102BC (TEA5767)



Brief Instruction :

The pins number:10 pin 5+5
chipset project:TEA5767
the size of the exterior(mm):11.0*11.0*2.0
software control mode:IIC/3-Wire
usual project: all
Voltage of working:2.5-5.0V
Frequency range:76-108MHZ

Advantage:

Use the multi-layers PCB design ,strongly anti-jamming ability. The effect of the reception of a radio is fine.

Disadvantage:

The size of the chipset is a bit big

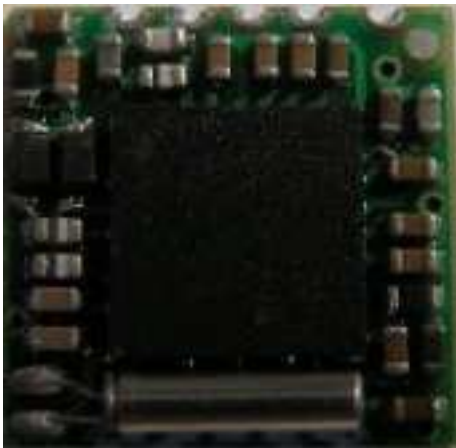
Remarks:

Lead free reflow ,the mainstream solution

Correlation data :

see to chipset datasheet, acknowledgment ,SGS , etc

Model No: B-45B(NS953)



Brief Instruction:

The pins number:9 pin 4+5
chipset project:NS953
the size of the exterior(mm):9.0*9.0*1.8
software control mode:IIC/3-Wire
usual project :all
Voltage of working:2.8-3.6V
Frequency range:76-108MHZ

Advantage:

The size of the chipset is small ,and with high sensitive

Disadvantage:

The software is incompatible

Remarks:

Lead free reflow ,need to order

Correlation data :

see to chipset datasheet, acknowledgment ,SGS , etc

Model No: STFM1000 (STFM1000)



Brief Instruction

The pins number:QFN32

chipset project: STFM1000

the size of the exterior(mm):5.0*5.0*0.8

software control mode:IIC/3-Wire

usual project:always arrange in groups with STFM3600,STFM3500

Voltage of working:2.7-3.6V

Frequency range:76-108MHZ

Advantage:

The size of the chipset is small ,and support IIS

Disadvantage:

The software is incompatible ,easy to be disturbed ,have strictly requirement about PCB layout

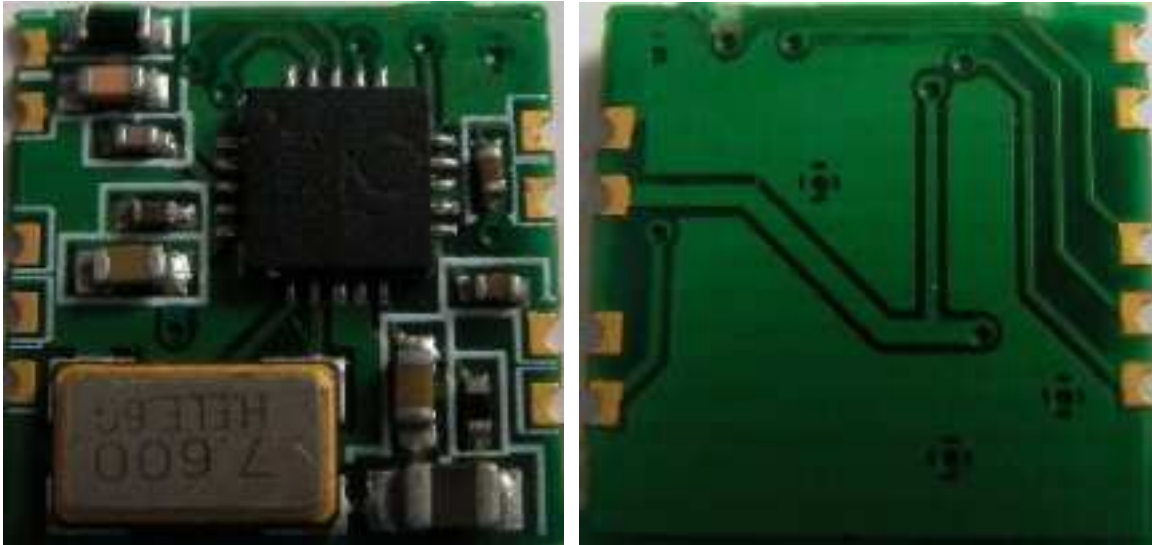
Remarks:

Usually this chipset need to over the board directly

Correlation data :

see to chipset datasheet, acknowledgment ,SGS , etc

Model No: B-FQ081B (QN8000)



Brief Instruction :

The pins number:9 pin 3+6
chipset project: QN8000
the size of the exterior(mm):12.0*12.0*1.8
software control mode :IIC
usual project :all
Voltage of working:2.7-3.6V
Frequency range:76-108MHZ

Advantage:

Use the import SMT crystal ,have steady quality .The currency of idle mode supply current is 4MA,and the background noise would be much lower.

Disadvantage:

special software

Remarks:

Lead free reflow ,can pin to pin BH1415 series which belong to ROHM

Correlation data :

see to chipset datasheet, acknowledgment ,SGS , etc

Model No: B-FC091A (BH1415)



Brief Instruction :

The pins number:12 pin 3+6

chipset project: BH1415

the size of the exterior(mm):16.0*16.0*2.0

control mode: To control by PROGRAM (I/O.

usual project: all

Voltage of working:4.0-6.0V

Frequency range:76-108MHZ

Advantage:

Steady performance ,and cheap cost and adopt stereo modulate circuit and PLI frequency synthesizer.

Disadvantage:

The size of the chipset would be a bit big.

Remarks:

Lead free reflow ,can pin to pin BH1415 series which belong to ROHM

Correlation data :

see to chipset datasheet, acknowledgment ,SGS , etc