

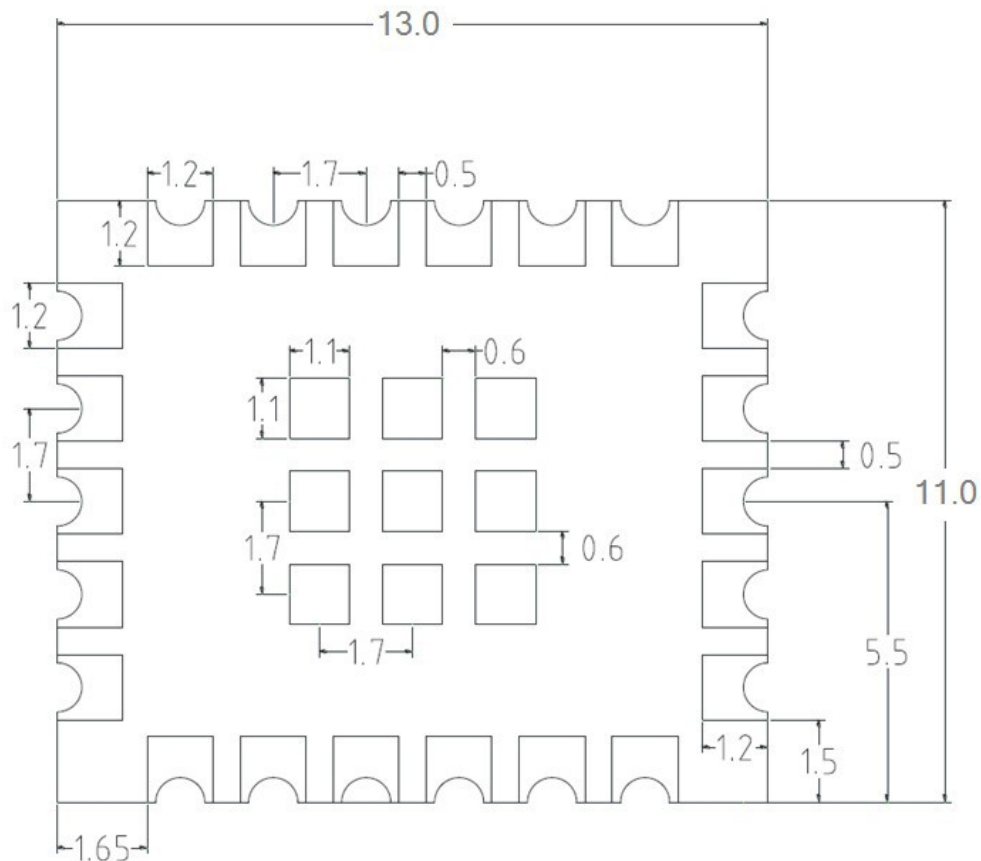
General Features

BTR-B89071SMA is a Class2 Bluetooth Module for automotive audio/video system

SPECIFICATION

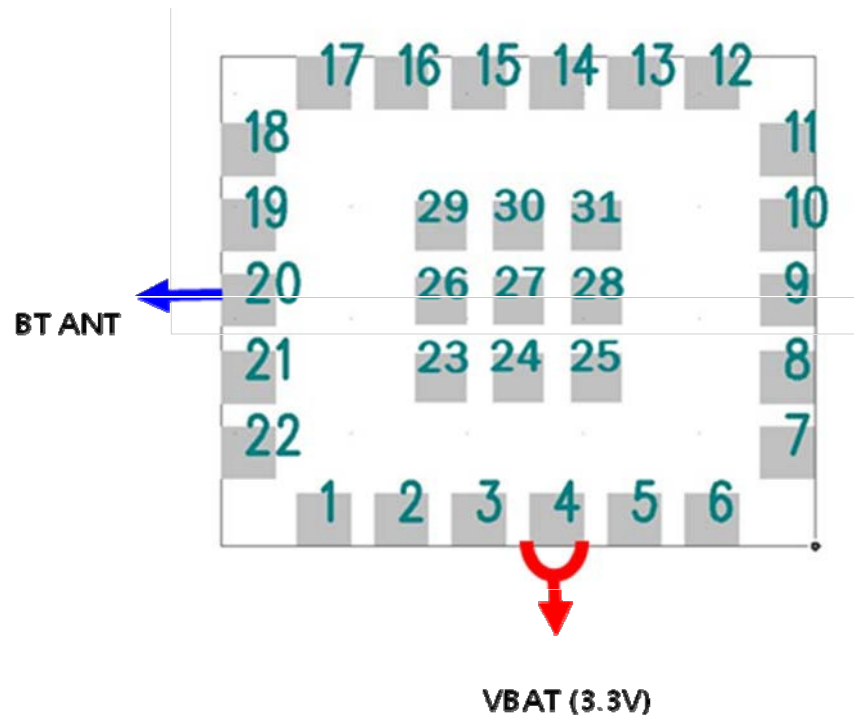
Chips	Infineon CYW89071
Standards	Bluetooth 5.0 + EDR, HCI
Frequency Band	2402 ~ 2480 MHz
Tx Power	0 ~ 4 dBm(Power Class 2)
Rx Sensitivity	< -81dBm(BER 0.1%)
Distance	>10m(open space)
Power Voltage	3.3V
Dimension	13 X 11
Operating temperature Range	-40 ~ 85°C

Module Dimension



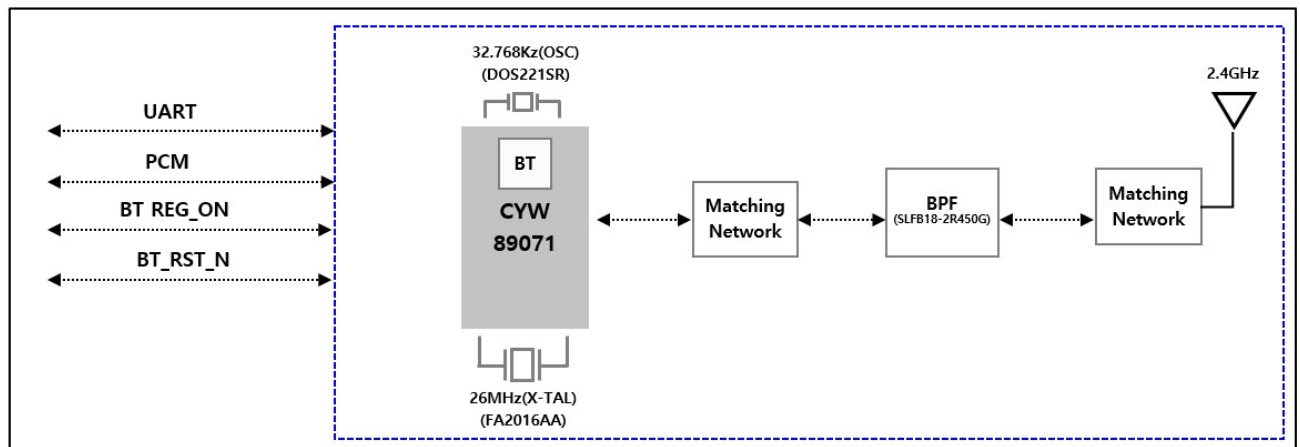
How to operate

- 1) operation Temperature : -40 ~ +85℃
- 2) Operating Voltage : 3.3V

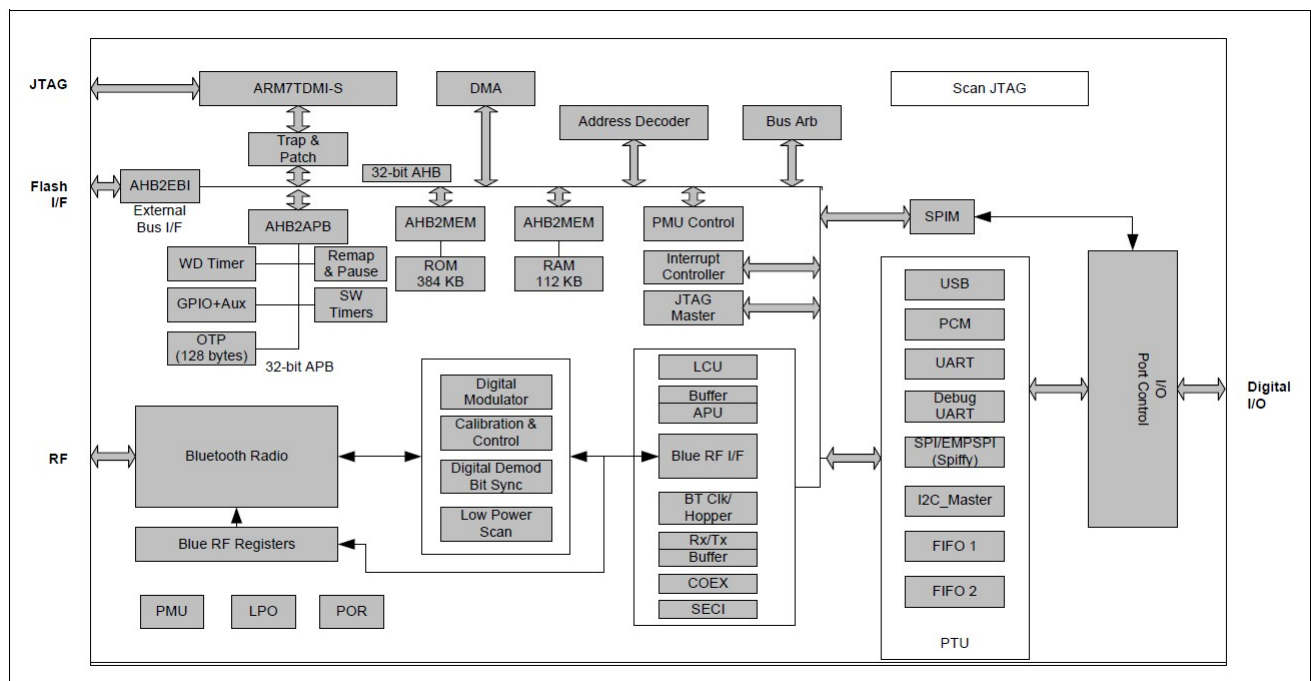


핀 번호.	이름	핀 번호.	이름
1	BT_RST_N	17	BT_PCM_SYNC
2	BT_REG_ON	18	GND
3	GND	19	GND
4	VDD	20	ANT
5	COEX_OUT1	21	GND
6	COEX_IN	22	GND
7	GND	23	GND
8	COEX_OUT0	24	GND
9	UART_TXD	25	GND
10	UART_RXD	26	GND
11	UART_RTS_N	27	GND
12	UART_CTS_N	28	GND
13	GND	29	GND
14	BT_PCM_DOUT	30	GND
15	BT_PCM_DIN	31	GND
16	BT_PCM_DCLK		

BTR-B89071SMA MODULE Block diagram



CYW89071 CHIP Block diagram



Module Integration Guide

1. Applicable FCC Rules
 - CFR 47 Part 15.247
2. Operational Condition

The module is limited to OEM installation ONLY. The OEM integrator is responsible for ensuring that the end-user has no manual instruction to remove or install module.
3. Limited Module Procedure

BTR-B89071SMA is limited Module. The module doesn't have its own power supply regulation. Therefore, the host product manufacturer must design the host product so that a constant voltage of 3.3V is applied to the module.
4. Trace antenna designs : N/A
5. RF Exposure consideration (CFR 47 Part 1, 1.1307(b), 1.1310)

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum 20 cm between the radiator and human body.
6. Antenna

This modular has PCB pattern antenna. Any changes of antenna designs might require additional assessment. The Host antenna type shall be same type and antenna gain shall be less or equal to 1.56 dBi.
7. Label and compliance information

The end user manual shall include all required regulatory information/warnings as shown in this manual. If the FCC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following:
"Contains FCC ID : 2ADQJ-B89071" any similar wording that expresses the same meaning may be used.
8. Information on test modes and additional testing requirements

This modular was tested in standalone configuration. Integration of this modular into a host equipment would require additional testing.
9. Additional testing, Part 15 Subpart B disclaimer

The grantee should include a statement that the modular transmitter is only FCC authorized for the specific rule parts (i.e., FCC transmitter rules) listed on the grant, and that the host product manufacturer is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification. If the grantee markets their product as being Part 15 Subpart B compliant (when it also contains unintentional-radiator digital circuitry), then the grantee shall provide a notice stating that the final host product still requires Part 15 Subpart B compliance testing with the modular transmitter installed.

10. ISED Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes : (1) L'appareil ne doit pas produire de brouillage, et (2) L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Please notice that if the IC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains IC : 28512-B89071" any similar wording that expresses the same meaning may be used.

L'étiquette d'homologation d'un module d'Innovation, Sciences et Développement économique Canada devra être posée sur le produit hôte à un endroit bien en vue, en tout temps. En l'absence d'étiquette, le produit hôte doit porter une étiquette sur laquelle figure le numéro d'homologation du module d'Innovation, Sciences et Développement économique Canada, précédé du mot « contient », ou d'une formulation similaire allant dans le même sens et qui va comme suit : Contient IC : 28512-B89071 est le numéro d'homologation du module

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the antenna and your body.
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.

Cet équipement est conforme aux limites d'exposition aux rayonnements IC définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm (7,8 pouces) entre l'antenne et votre corps.
REMARQUE: LE FABRICANT NE PEUT ÊTRE TENU RESPONSABLE DES INTERFÉRENCES RADIO OU TÉLÉVISÉES CAUSÉES PAR DES MODIFICATIONS NON AUTORISÉES DE CET APPAREIL. CES MODIFICATIONS PEUVENT ANNULER L'AUTORITÉ DE L'UTILISATEUR À FAIRE FONCTIONNER L'APPAREIL.