



## HJZ0093/HJZ0095 (Bluetooth Module for Navigation System)

### 1. Features

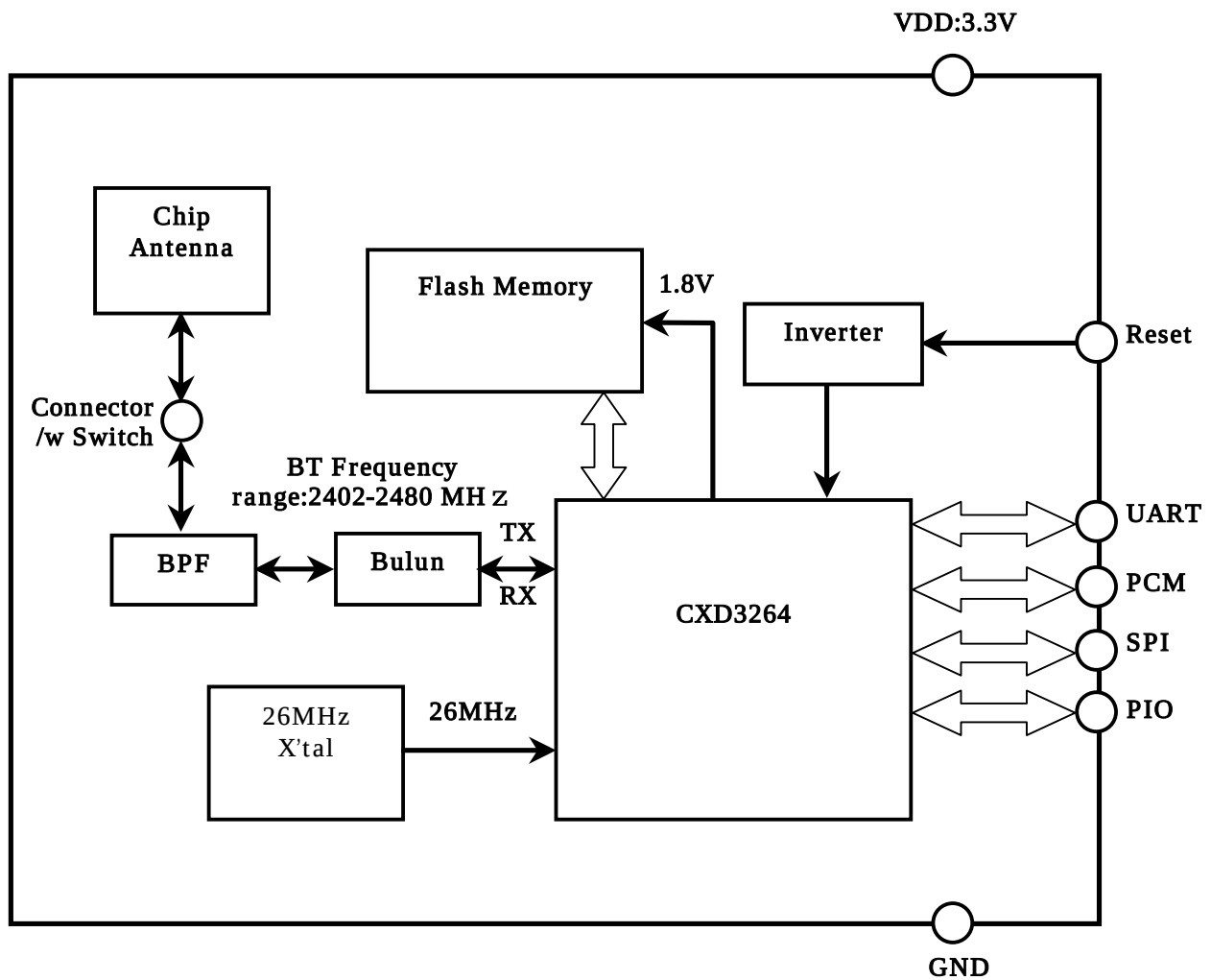
- 1) Model Number: HJZ0093/HJZ0095
- 2) Equipment description: Bluetooth Module for Car Navigation System
- 3) Bluetooth<sup>®</sup> standard Ver 1.2 conformity (Modulation Type: GFSK)
- 4) Power Class2 (Max 4dBm) Bluetooth Module
- 5) Designed for Xanavi series Navigation System
- 6) With Antenna is provided on board (Antenna Gain (MAX) = +0.8 dBi)
- 7) Internal base band clock oscillator
- 8) Support functions: Serial Port Emulation (Point-To-Point)
- 9) Bluetooth wireless connection-to-UART bridge function
- 10) Interface (to Navigation System) : UART
- 11) Ground line is connected to the application for equipment via one of pins of connector

### 2. Technical Description

#### 2.1 Specification

| Parameter             | Description        | Min.  | Typ. | Max.  | Units    |
|-----------------------|--------------------|-------|------|-------|----------|
| Carrier Frequency     |                    | 2.402 |      | 2.480 | GHz      |
| Supply Voltage        |                    | 2.7   | 3.3  | 3.6   | V        |
| RF Output Power       | Measured in 50 Ohm | -6    | 0    | 4     | dBm      |
| Rx Sensitivity        |                    | -     | -84  | -70   | dBm      |
| Operating Temperature |                    | -40   |      | 85    | Degree C |
| Current Consumption   | HV1 @ SCO          |       | 42   |       | mA       |

## 2.2 Hardware Block Diagram



### 2.3 Functional Block Diagram

