




Chip Model: CI2316X Standard Application Design Reference

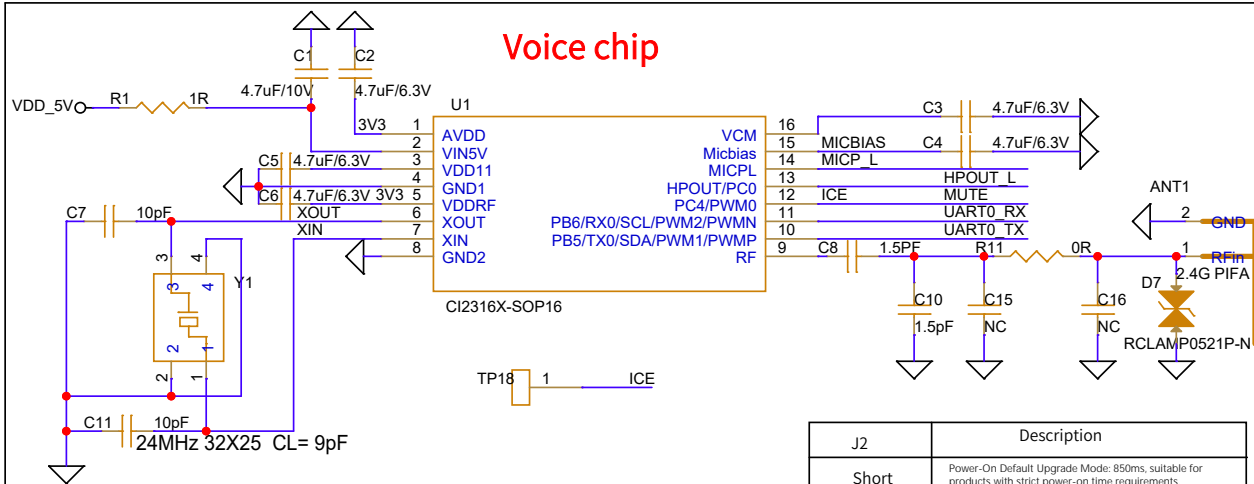
Product Features: Single-mic single-ended microphone input and single-speaker output; supports BLE communication and interaction with mobile APPs and mini-programs.

Application: Suitable for a wide range of general-purpose products, single-microphone input with broadcasting, and AIoT applications.

More Info: <https://aiplatform.chipintelli.com>

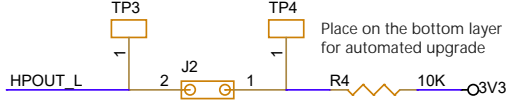
Chipintelli provides various reference schematics that can meet most common application scenarios. Customers and solution partners should carefully select the most suitable reference schematic for their product based on specific functional requirements, system characteristics, and application scenarios, and optimize the design accordingly. If there are any unclear or uncertain issues during the design modification process, please contact Chipintelli's FAE engineers for full communication.

Sheet Title = Front cover				成都启英泰伦科技有限公司 Chipintelli Technology Co., Ltd.
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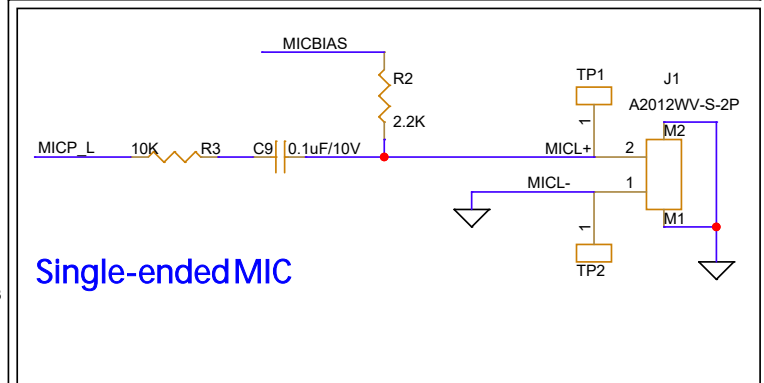


J2	Description
Short	Power-On Default Upgrade Mode: 850ms, suitable for products with strict power-on time requirements.
Open	Power-On Normal Mode: 350ms startup time. Shorting test points and powering on enters upgrade mode, suitable for products with power-on time requirements.

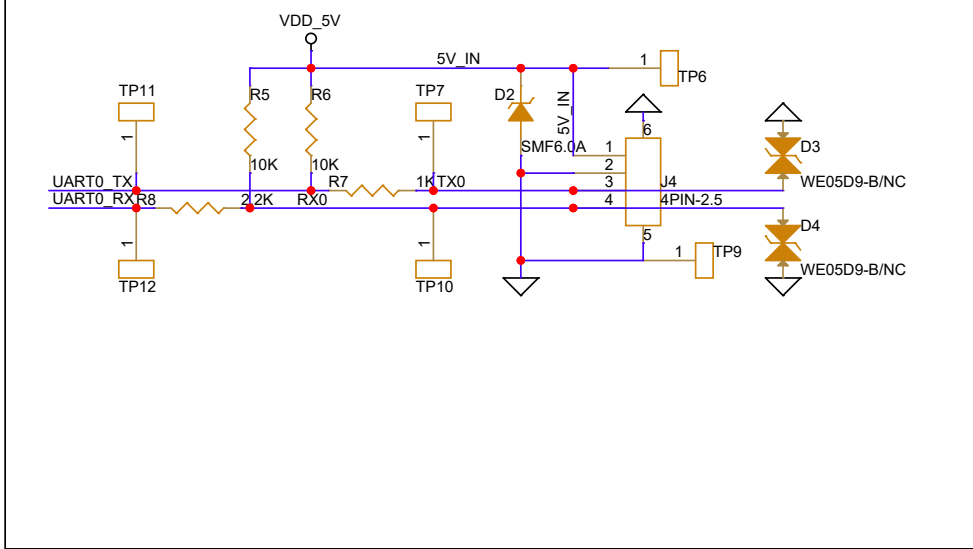
J2仅在升级固件时短接，升级完成后或正常工作时必须断开。



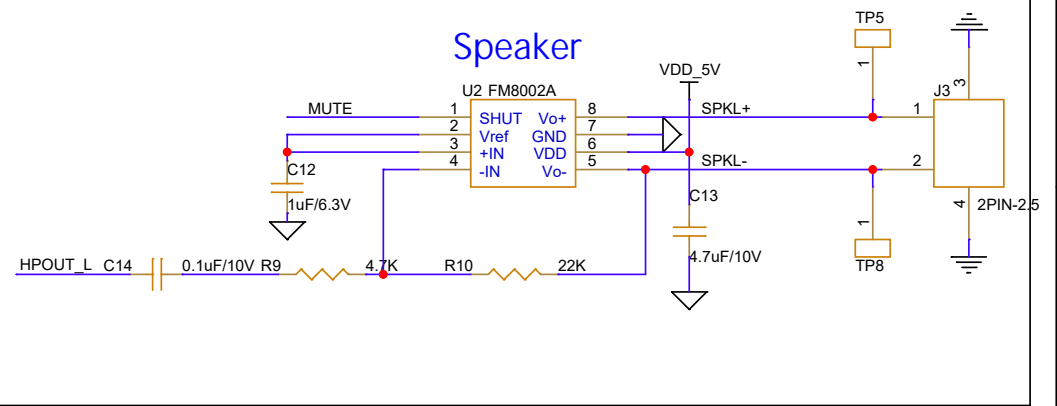
HPOUT: Can be directly connected to a 3.3V power supply. It is recommended to use a 10K pull-up resistor to 3.3V during upgrades. Failure to do so may damage the chip.



Power supply & Serial Port



Class AB Amplifier



CI2316X standard application design reference

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