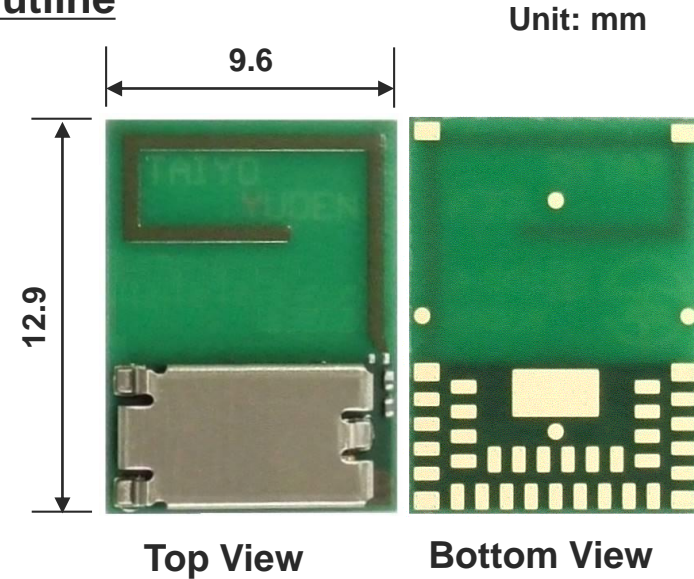# *Powerful Antenna* Bluetooth® 5.0 Module: EYSKDNZWB

Features

- Frequency: 2402 to 2480 MHz with +8dBm Output power
- Single power supply: 1.7– 5.5V
- Single Mode **Bluetooth 5.0 / 802.15.4 (Zigbee, Thread)**
- **Bluetooth 5 data rate support: 2M / 1M / 500k / 125kbps**
- Chip: **nRF52840 (Nordic)**
- Integrated System Clock
- **Integrated high performance PCB antenna**
- **ARM® Cortex M4F** 32bit processor and **1MB Flash & 256kB RAM**
- **ARM® TrustZone® Cryptocell 310 cryptographic accelerator**
- Interface: **NFC-A**, SPI, UART, I2C, I2S, PDM and 12bit ADC
- Outline: **9.6** x **12.9** x **1.3**mm MAX
- Operating Temperature range: -40 to 85 deg-C
- Bluetooth and Japan, FCC, IC qualified
- ETSI EN 300 328 v2.1.1 Conducted Test Report Available
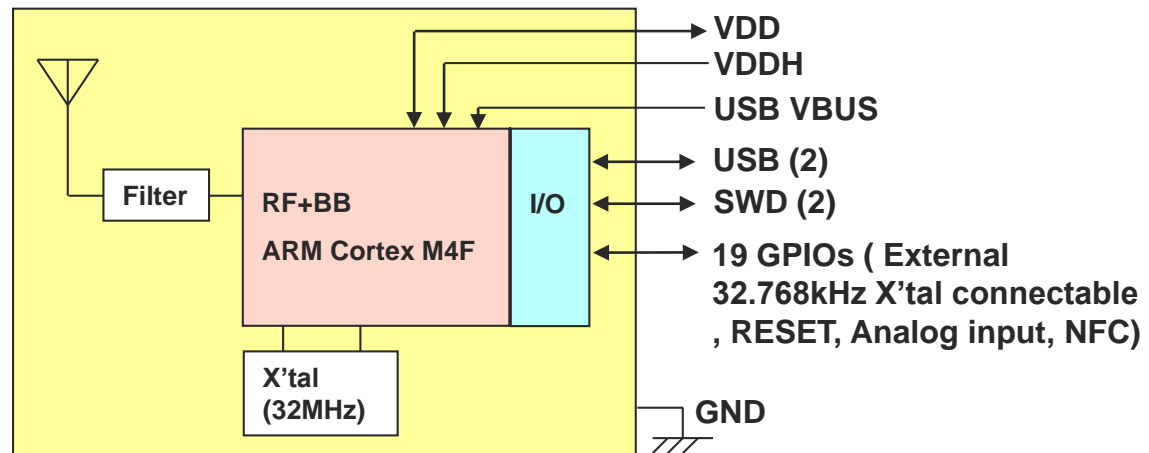- RoHS compliant / Complete Lead Free

Applications

- Beacon
- Home security
- Asset tracking
- Agricultural monitoring
- Warehouse management
- Smart factory
- Smart dairy farming
- Handy terminal
- Outdoor application

Outline

Unit: mm

9.6

12.9

Top View　　**Bottom View**

Block Diagram

Filter — RF+BB ARM Cortex M4F — I/O

X'tal (32MHz)

VDD
VDDH
USB VBUS
USB (2)
SWD (2)
19 GPIOs (External 32.768kHz X'tal connectable , RESET, Analog input, NFC)
GND

All specifications are subject to change without notice.
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