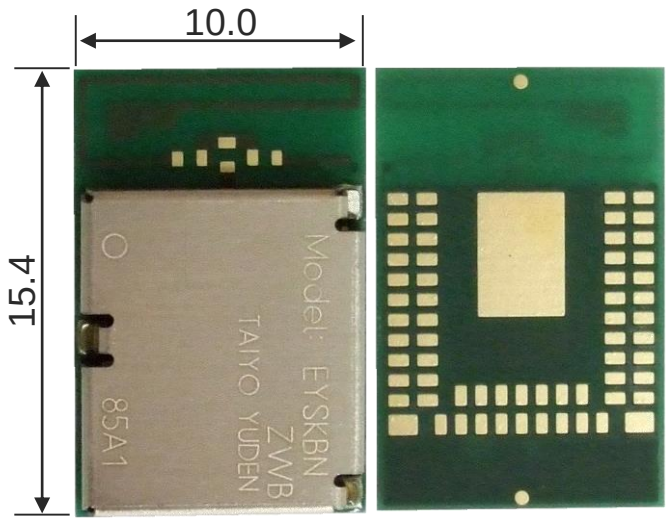
Bluetooth® 5.0 low energy Module: EYSKBNZWB

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 (e.g. Thread, Zigbee)
- Bluetooth 5 data rate support: 2M / 1M / 500k / 125kbps
- Chip: nRF52840 (Nordic)
- Integrated System/Sleep Clock, 2 x LC for DC/DC
- Integrated high performance PCB antenna
- ARM® Cortex M4F 32bit processor and 1MB Flash & 256kB RAM
- ARM® TrustZone® Cryptocell 310 cryptographic accelerator
- Interface: USB, NFC-A, SPI, UART, I2C, I2S, PDM and 12bit ADC
- Outline: 10.0 x 15.4 x 2.0 mm
- 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

Outline

Unit: mm

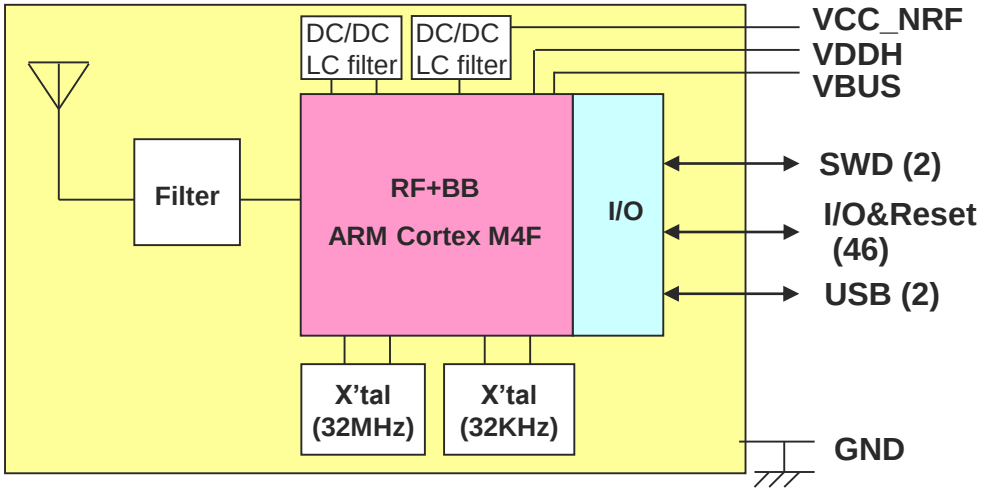


Top View　　Bottom View

Applications

- Advanced wearables
  - Connected watches
  - Advanced personal fitness devices
  - Wearables with wireless payment
  - Connected health
  - Virtual/Augmented reality applications
- Internet of Things
  - Smart home sensors and controllers
  - Industrial IoT sensors and controllers
- Interactive entertainment devices

Block Diagram



All specifications are subject to change without notice.
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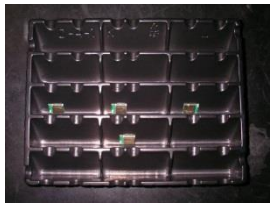
TAIYO YUDEN

Bluetooth® low energy Module Sample, Evaluation Board / Kit

EYSKBNZWB (Module)

Module samples





or

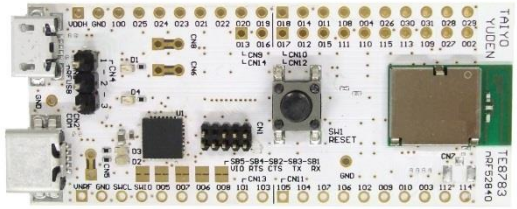


Tray Tape



EBSKBNZWB (EV-B)

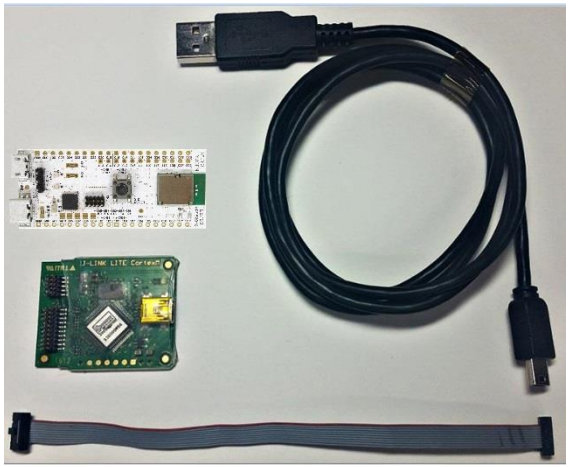
Evaluation board





EKSKBNZWB (EV-K)

Evaluation kit



SEGGER
J-Link LITE
Attached

