

1. Products Affected

| Part number | Description |
|-------------|---|
| BT832X | nRF52832 module with power amplifier and high performance PCB trace antenna |
| BT832XE | nRF52832 module with power amplifier and an u.FL connector for external antenna |
| BT832X-p | nRF52832 module with power amplifier and high performance PCB trace antenna, support <i>approtect</i> . |
| BT832XE-p | nRF52832 module with power amplifier and an u.FL connector for external antenna, support <i>approtect</i> |

2. Description of Changes

The BT832X Series of modules use a Nordic nRF52832-QFAA SoC, a Skyworks PA SKY66112, and a SAW filter. The SAW filter is EOL by the manufacturer. A new SAW filter is used and Class II Permissive Change test reports are available.

Impact: Does the change affect product:

- Form: No
- Fit: No
- Function: Yes, See “Description of changes”.
- Quality or reliability: No.

Reason for change

To replace an EOL SAW filter with one in production.

Consequences of change

Hardware

The new device version is drop-in compatible with the current version and does not require changes to the PCB design, schematics or layout.

Firmware

BT832X/BT832XE: The new device version is firmware compatible with the current version.

BT832X-p/BT832XE-p: The new device version is firmware compatible with the current version if Nordic SDK 1.7.0 or newer is used. This new device version supports *approtect*. Please follow Nordic’s instructions on using the *approtect* version silicon.

Regulatory and Bluetooth certification

- FCC. ISED CLASS II Permissive Change reports and certificates can be downloaded from near the bottom of this webpage.

<https://www.fanstel.com/download-document>

- The new device version inherits all Bluetooth QDID and requires no re-qualification for existing products.

3. Method of Identifying the Changed Product

BT832X and BT832XE: The new version device has a “2” marking above the “X” or “XE”. All BT832X and BT832XE modules with date codes 2416 or newer are new version devices.



BT832X-p and BT832XE-p: All BT832X-p and BT832XE-p are new version devices. There is a “P” marking above the “X” or “XE” to indicate supporting of approtect.



4. Contact Us

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