

Product Change Notice

Classification of change:	Product revision / Major functional change
Products affected:	<ul style="list-style-type: none"> • Arduino Nano 33 BLE Sense (ABX00031) • Arduino Nano 33 BLE Sense with headers (ABX00035)
Description of change:	<ul style="list-style-type: none"> • Replacement of IMU from LSM9DS1 (9 axis) for a combination of two IMUs (BMI270 - 6 axis IMU and BMM150 - 3 axis IMU). • Replacement of temperature and humidity sensor from HTS221 for HS3003. • Replacement of power supply MPM3610 for MP2322. • Addition of VUSB soldering jumper on the top side of the board. • New test point for USB, SWDIO and SWCLK.
Reason for change:	<ul style="list-style-type: none"> • The IMU (LSM9DS1), the temperature sensor (HTS221) and the power supply (MPM3610) are replaced due to shortage in these components. • The additional jumper and test points are added to improve the customer experience.
Expected influence on quality, reliability, and performance:	<ul style="list-style-type: none"> • For applications using the Arduino_HTS221 library, customers must use Arduino_HS300X instead. • For applications using the Arduino_LSM9DS1 library, customers must use Arduino_BMI270_BMM150 instead.
Time schedule:	n/a
Sample availability:	December 2022
Product alternative:	<ul style="list-style-type: none"> • Arduino Nano 33 BLE Sense Rev2 (ABX00069) • Arduino Nano 33 BLE Sense Rev2 with headers (ABX00070)
Qualification data:	n/a
Issued by:	Head of Makers Business Unit: Alessandro Ranellucci
Contact information:	For questions or comments, please contact your Arduino sales representative.

Notice

In order to continue production of the Arduino Nano 33 BLE Sense (ABX00031) and the Arduino Nano BLE Sense with headers (ABX00035) and given the fact that some components have

entered end of life status, we are introducing the Arduino Nano 33 BLE Sense Rev2 (ABX00069) and the Arduino Nano 33 BLE Sense Rev2 with headers (ABX00070) with the following changes to the bill of materials:

- Replacement of IMU from LSM9DS1 (9 axis) for a combination of two IMUs (BMI270 - 6 axis IMU and BMM150 - 3 axis IMU).
- Replacement of temperature and humidity sensor from HTS221 for HS3003.
- Replacement of power supply MPM3610 for MP2322.

Additionally, in order to improve the experience of our customer, the design of the PCB reflects the following changes:

- Addition of VUSB soldering jumper on the top side of the board.
- New test point for USB on the bottom side.
- New test point for SWDIO and SWCLK on the top and bottom side of the board.

Open-source software and documentation related to the previous revision of product will remain available at the following address:

<https://docs.arduino.cc/hardware/nano-33-ble-sense>

New documentation for the product will be published in <https://docs.arduino.cc/>