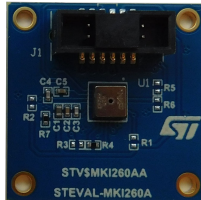


NBP8FD4S evaluation kit, based on battery pressure monitor sensor



Features

- User-friendly NBP8FD4S board
- Complete NBP8FD4S pinout for a standard DIL 24 socket
- Fully compatible with STEVAL-MKI109D evaluation platform
- RoHS compliant

Description

The **STEVAL-MKI260KA** is an adapter kit designed to facilitate the evaluation of the **NBP8FD4S** battery pressure monitor sensor.

The kit is composed by a generic DIL24 adapter board (**STEVAL-MKI109D**), a flat cable, and a square PCB mounting the **NBP8FD4S** battery pressure monitor sensor. The presence of this square PCB ensures to put the sensor board on the system to be measured.

The sensor is soldered in the center of the square PCB to conveniently mount the board on the equipment used for the analysis through double-sided adhesives.

User can mount the board using the holes located in each corner of the PCB.

The **STEVAL-MKI109D** can be plugged into a standard DIL-24 socket. The kit provides the complete **NBP8FD4S** pinout and comes ready to use with the required decoupling capacitors on the VDD power supply line.

The kit is supported by the **STEVAL-MKI109D** evaluation platform.

The **STEVAL-MKI109D** includes a high-performance 32-bit microcontroller functioning as a bridge between the sensor and a PC, on which it is possible to use the downloadable MEMS Studio graphical user interface, or dedicated software routines for customized applications.

Product summary	
NBP8FD4S evaluation kit, based on battery pressure monitor sensor	STEVAL-MKI260KA
Battery pressure monitor sensor	NBP8FD4ST1
Professional MEMS tool: evaluation board for all ST MEMS sensors	STEVAL-MKI109D
Applications	Battery monitor

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Figure 1. STEVAL-MKI260A circuit schematic

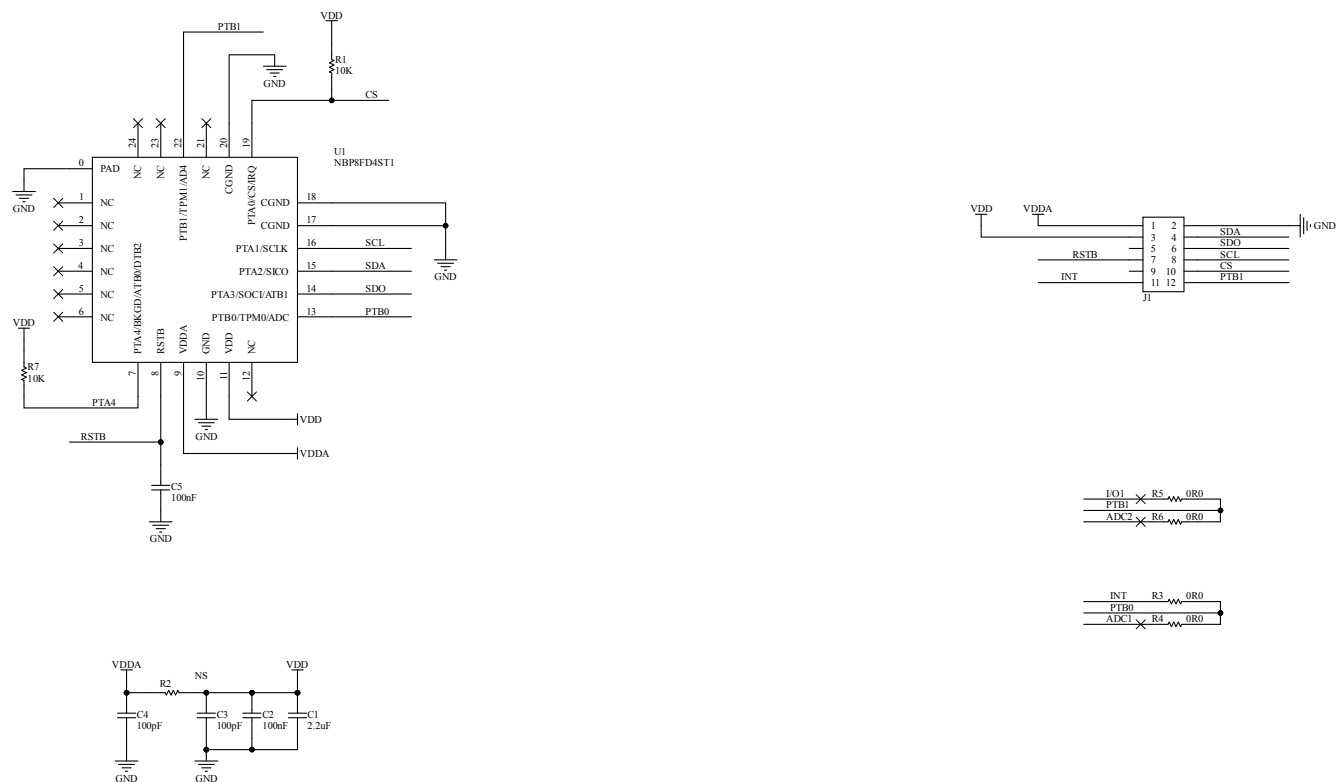
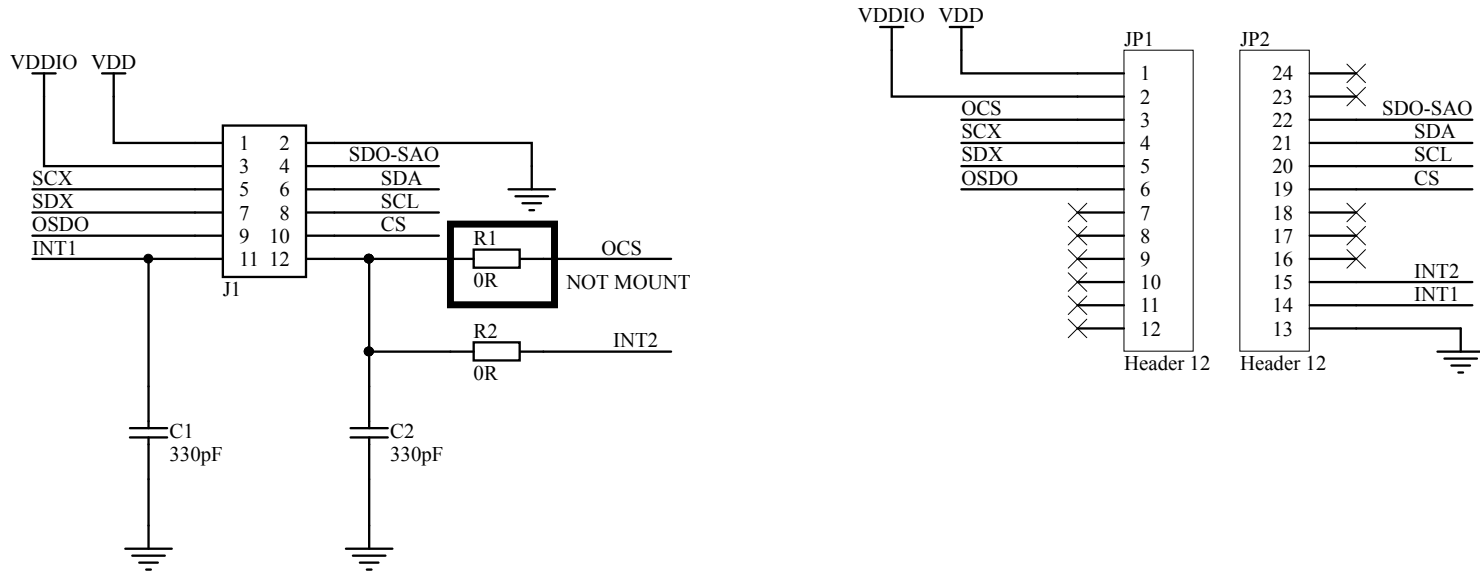


Figure 2. STEVAL-MKIGIBV5 circuit schematic



2 Kit versions

Table 1. STEVAL-MKI260KA versions

PCB version	Schematic diagrams	Bill of materials
STV\$MKI260KAA ⁽¹⁾	STV\$MKI260KAA schematic diagrams	STV\$MKI260KAA bill of materials

1. This code identifies the STEVAL-MKI260KA evaluation kit first version. The kit consists of a STEVAL-MKI260A whose version is identified by the code STV\$MKI260AA and a STEVAL-MKIGIBV5 whose version is identified by the code STEVAL\$MKIGIBV5A.

Revision history

Table 2. Document revision history

Date	Revision	Changes
08-Sep-2026	1	Initial release.

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