



IQS269EV05 QUICK START GUIDE

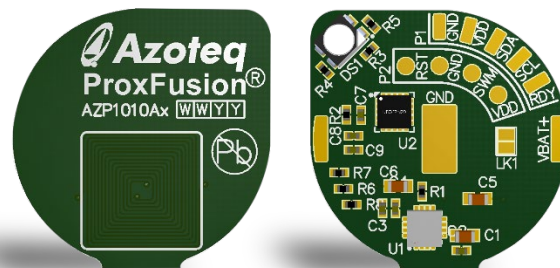
Single Channel Inductive Sensing Evaluation Module

The IQS269A ProxFusion® IC is an 8 channel multi-sensor device which can be configured for the following sensing methods:

- > Self-capacitance
- > Projected capacitance
- > Self-inductance
- > Mutual inductance
- > Hall effect
- > Temperature
- > External current

The IQS269EV05 is an evaluation module aimed at security type applications, specifically door and window sensors. The kit features integrated tamper detection as well as auxiliary information from the other on-board sensors. The coin-cell form factor allows for easy retrofitting to existing door and window frames.

EV-Kit Overview



Representation only

- > EV05 is a small form factor PCB with an integrated inductive coil which demonstrates the inductive sensing capabilities of the IQS269A.
- > EV05 ships pre-programmed with sample firmware running on a host MCU which demonstrates
 - inductive open/close sensing
 - on-board capacitive tamper detection
 - off-board piezo tamper/intrusion detection.
- > Powering the board on with solder link LK1 closed will halt the onboard MCU and put the board into streaming mode, allowing the user to connect to the IQS269A with the pads found in area P1.
- > When in streaming mode, the kit can be connected to a graphic PC tool displaying real time sensor data. This GUI allows you to visually evaluate the IQS269A and experiment with custom configurations. (CT210A USB dongle, sold separately, required)
- > Users who are familiar with the STM8 development environment can create custom firmware and upload it to the onboard STM8SF003F3 (U2) via the pads in area P2.
- > For more information about the IQS269A and related resources, please visit the IQS269A product page at: <https://www.azoteq.com/product/iqs269/>.

**Note that solder link LK1 must be closed before connecting the IQS269 to a CT210A or any other external master.*