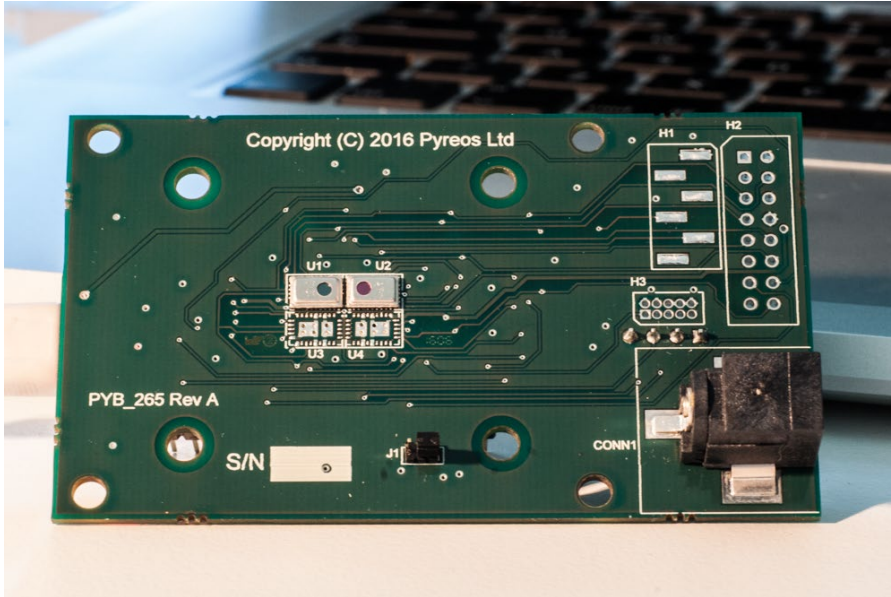


ezPyro™ SMD Evaluation Kits



The Broadcom® ezPyro™ application-specific evaluation kits demonstrate the capabilities of Broadcom's innovative ezPyro digital SMD infrared sensors. The evaluation kits consist of a main board with up to four ezPyro sensors and an attached controller board based on an ARM Cortex-M4 microcontroller. There are specific kits for gas, flame, motion, and gesture sensing, as well as a generic kit that allows various ezPyro sensors to be plugged into a backplane board.

ezPyro SMD evaluation kits can be connected to PCs over a micro-USB port, which can also be used to power. Supplied software enables users to configure the sensors, visualize and record sensor signals, and use basic application-specific demo algorithms.

| Application | Kit Number | Sensor Included | Sensor Description | Remarks |
|--------------------------------------|-----------------|--|--|--|
| Flame Detection | AFBR-S6DPYEFL01 | AFBR-S6EPY12111 AFBR-S6EPY12211 AFBR-S6EPY12251 | 1x1p – 5.00 μm LWP 1x1p – 3.91 μm / 90 nm 1x1p – 4.48 μm / 620 nm | Human motion rejection. General rejection channel. Flame detection. |
| CO₂ Gas Sensing | AFBR-S6DPYEGA01 | AFBR-S6EPY12211 AFBR-S6EPY12231 | 1x1p – 3.91 μm / 90 nm 1x1p – 4.26 μm / 180 nm | Reference channel. CO ₂ . |
| Breakout Boards and Backplane | AFBR-S6DPYEBB01 | Sold separately: AFBR-S6EPY12111B AFBR-S6EPY12121B | — | Maximum flexibility in evaluation of ezPyro sensor products. Rigid or flexible connection for easy prototyping. Out-of-the box sensor readout tools. |

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AFBR-S6EPYSMD-EK-DS100

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