

ezPyro™ Backplane Board

Base board for up to four ezPyro™ SMD Breakout Boards.

Introduction

The Broadcom® ezPyro Backplane Board can flexibly host up to four ezPyro SMD Breakout Boards. With no hardware design work required, a combination of the Backplane Board and any of the attached ezPyro SMD sensors can produce infrared sensor signal measurements out-of-the-box in the early evaluation and design stages in a wide range of infrared sensing applications.

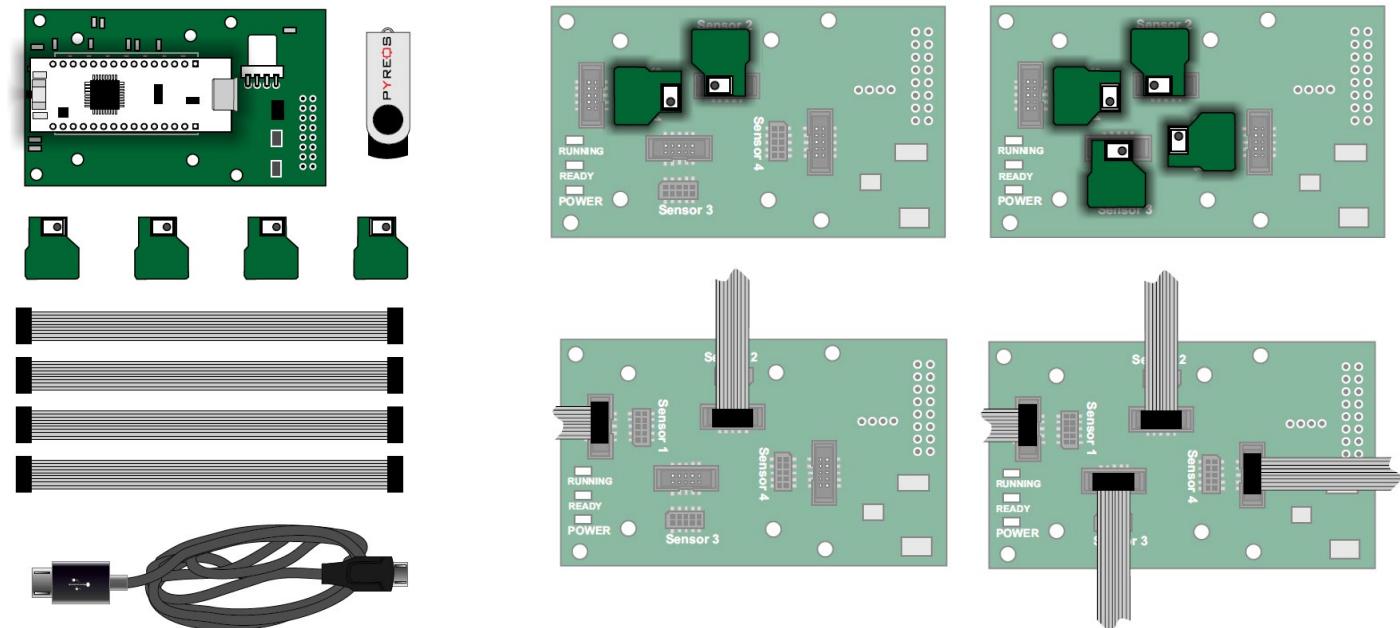
The Backplane Board is provided with PC software that allows the user to configure and read out each of the connected ezPyro SMD sensors. The sensor data is visualized in real time on a scope plot in the user interface. A CSV file capture facility records the digital signals from the sensors for further processing by the user.

The complete ezPyro SMD evaluation platform provides an easy way to evaluate the high-performance and innovative features of the ezPyro SMD digital thin film pyroelectric sensors. Because of the small form factor of the sensor boards, they are also useful to quickly integrate one or more ezPyro SMD sensors into a prototype application.

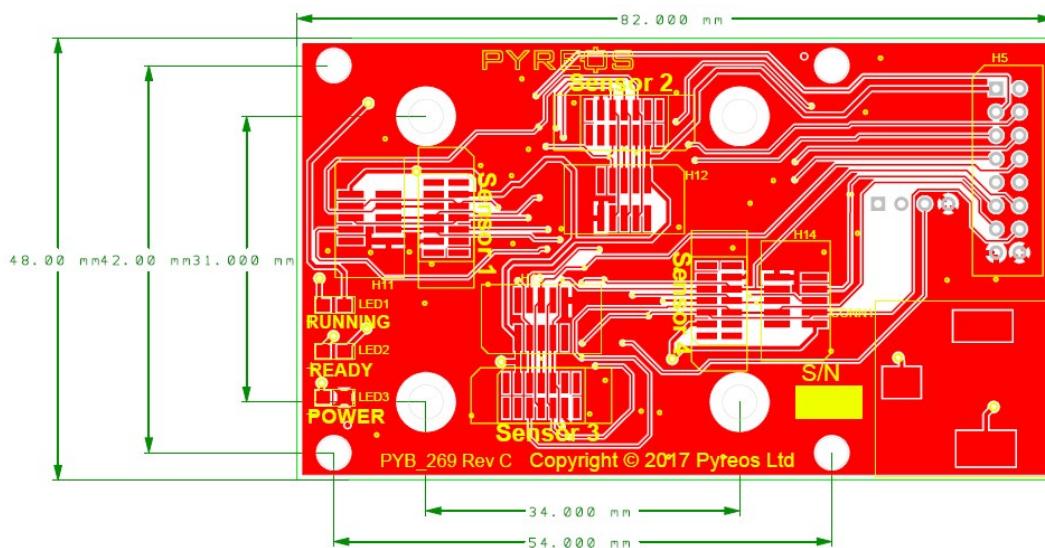
ezPyro SMD Breakout Boards for the Backplane Board are available for every sensor in the ezPyro SMD family.

Overview

Between one and four ezPyro SMD Breakout Boards (sold separately) can be connected either directly or via a ribbon cable to the ezPyro Backplane Board. The kit connects to a PC with a USB cable.



Mechanical Drawing



Contents of the Package

Packed in an ESD protective bag with an information label.

1 x ezPyro Backplane Board.

1 x USB Cable.

Additional information is included on the USB memory drive.

Requirements

This kit is compatible with Microsoft Windows operating systems.

Note that the required ezPyro SMD Breakout Boards must be ordered separately.

Ordering Information

Kit Number	Sensor Description		Remarks
ezPyro SMD Prototyping System	AFBR-S6DPYEBB01 (base board)	Depends on the breakout boards ordered.	Maximum flexibility in evaluation of ezPyro SMD sensor products. Rigid or flexible connection for easy prototyping. Out-of-the-box sensor readout tools.

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AFBR-S6EPYSMD-EKBB-DS100

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