

## ezPyro™ Backplane Board

Base board for up to four ezPyro SMD Breakout Boards

### Introduction

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 allowing the user to configure and read out each of the ezPyro SMD sensors connected. The sensor data is visualised 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.

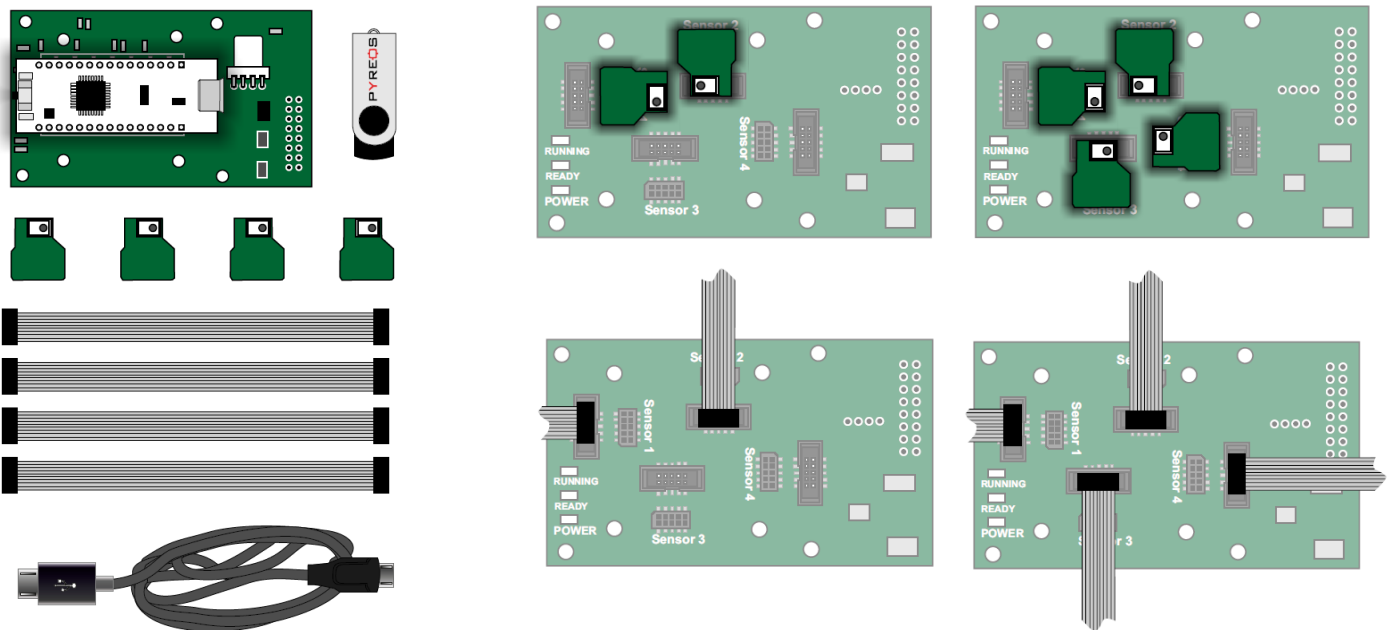
The complete ezPyro SMD evaluation platform provides an easy way to evaluate the high performance and innovative features of the ezPyro SMD digital thin film pyroelectric sensors. Because of the small form factor of the sensor boards, they are also useful to quickly integrate one or more ezPyro SMD sensors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

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

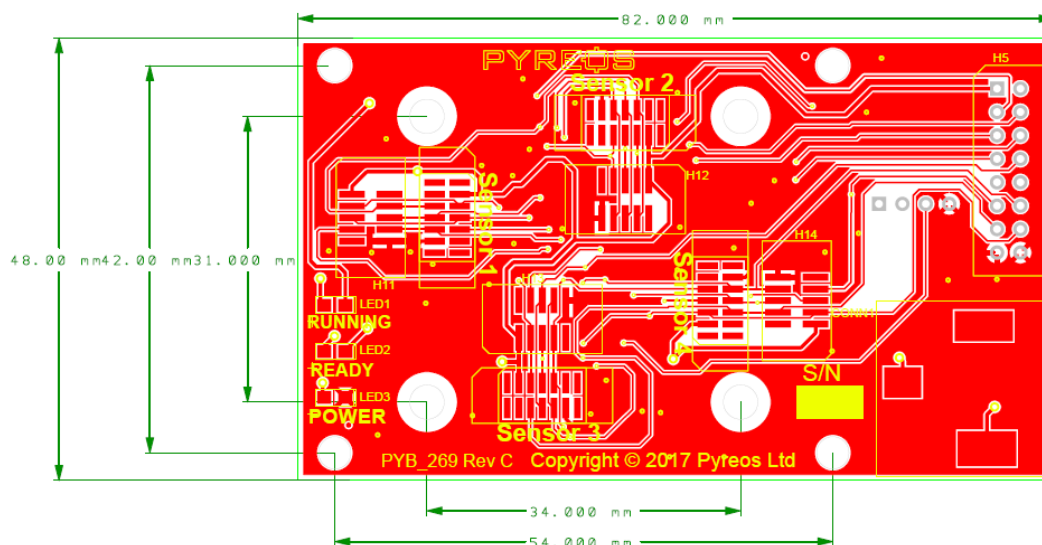


### Overview

Between one and four ezPyro SMD Breakout Boards (sold separately) can be connected either directly or via 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 ESD protective bag with information label
- 1 x ezPyro Backplane Board
- 1 x USB Cable
- Additional information included on USB memory drive.

## Requirements

- This kit is compatible with Microsoft Windows operating systems.
- Please note that the required ezPyro SMD Breakout Boards need to be ordered separately.

## Ordering Information

	Kit number	Sensor included	Sensor description	Remarks
<b>ezPyro SMD Prototyping System</b>	<b>dPYEBB01</b> (base board)	Sold separately: Up to 4 Breakout boards (ePYxxxx-B1)	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

For more information see the ezPyro SMD datasheets and the ezPyro SMD Reference Manual or contact: [sales@pyreos.com](mailto:sales@pyreos.com)