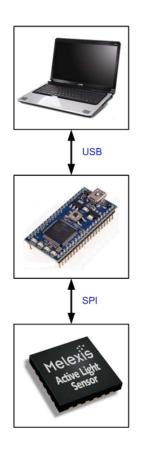
# Optical Gesture & Proximity Sensing IC

**Evaluation Board EVB75030V2** 



## **Evaluationboard Concept**



#### PC/Laptop

- Easy way for signal evaluation & visualization
- Allows customers to test & simulate system performance in their preferred environment

Mbed MicroController (<a href="http://www.mbed.org">http://www.mbed.org</a>)

- Fast prototyping
- Simple Pre-processing
- Operates as "bridge" between pc & sensor

#### MLX75030

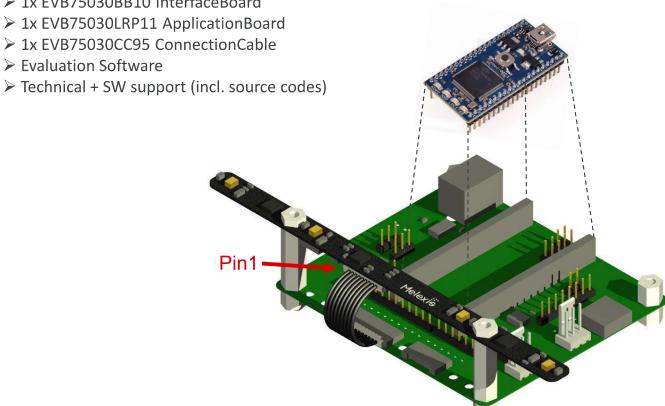
- LED & PD control/read-out
- Data acquisition
- Rejects background light



### EVB75030V2 Overview

#### **Package Contents:**

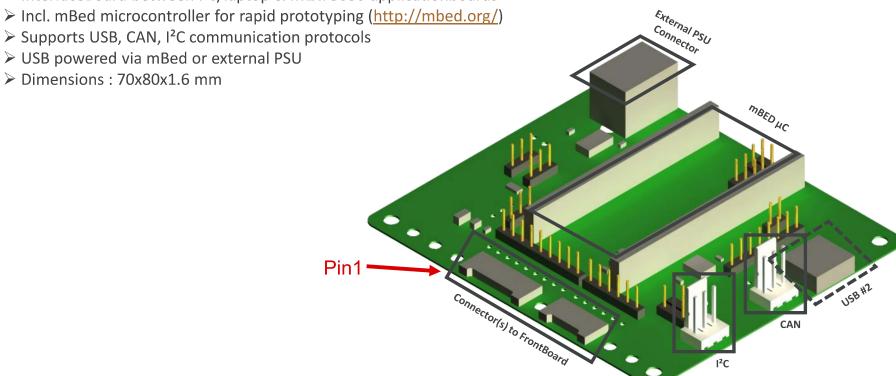
> 1x EVB75030BB10 InterfaceBoard





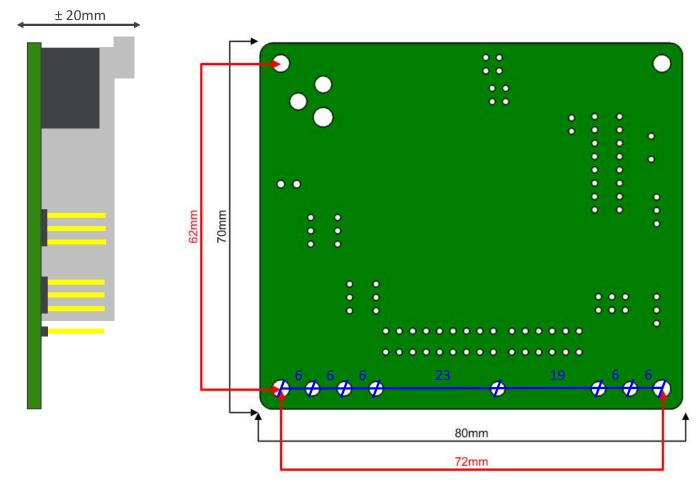
### EVB75030V2BB11 InterfaceBoard

➤ InterfaceBoard between PC/laptop & MLX75030 applicationboards



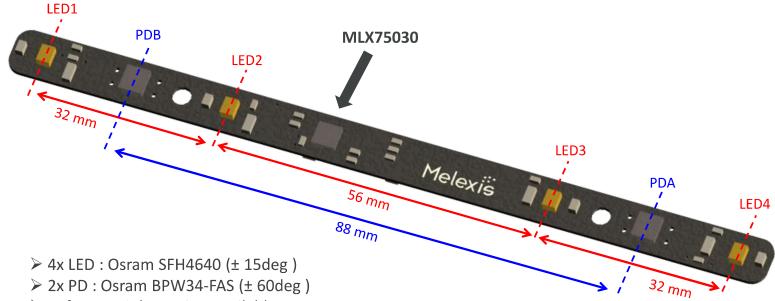


### EVB75030V2BB11 Mechanical Outline





# EVB75030V2LRP11 ApplicationBoard



- ➤ Reference Schematic = available
- > ApplicationBoard with Simple Left & Right Gesture Recognition + Proximity Sensing
- ➤ Dimensions: 130x8x0.8 mm



### EVB75030V2CC95 ConnectionCable

> Connection between applicationboard(s) & interfaceboard

➤ Length : 5cm ➤ 9 connections

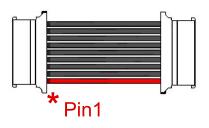
> AWG: 28-30

≥ 2x connector Molex PanelMate<sup>™</sup> 51146-0900

➤ Ultra Low Profile, 1.25mm Pitch

> 18x crimpterminal 50641

#### ➤ Pinout :



9. GND
8. SCLK
7. MISO
6. MOSI
5. CS
4. DR
3. Sensor 3V3
2. GND
1. LED Supply





