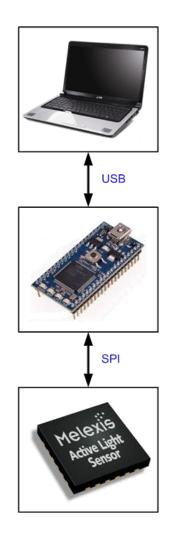
# Optical Gesture & Proximity Sensing IC

### 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 (<u>http://www.mbed.org</u>)

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

MLX75030

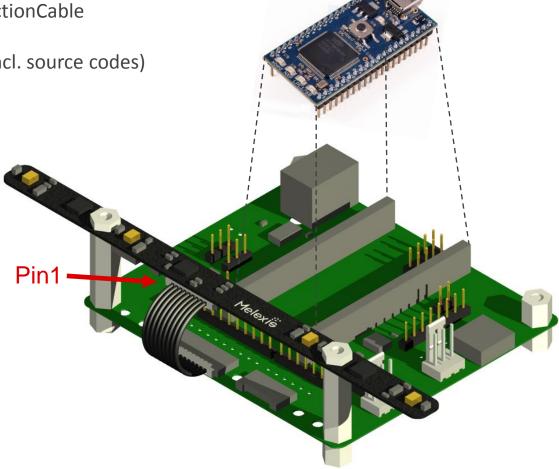
- LED & PD control/read-out
- Data acquisition
- Rejects background light



### EVB75030V2 Overview

#### **Package Contents :**

- ➤ 1x EVB75030BB10 InterfaceBoard
- > 1x EVB75030LRP11 ApplicationBoard
- 1x EVB75030CC95 ConnectionCable
- Evaluation Software
- Technical + SW support (incl. source codes)

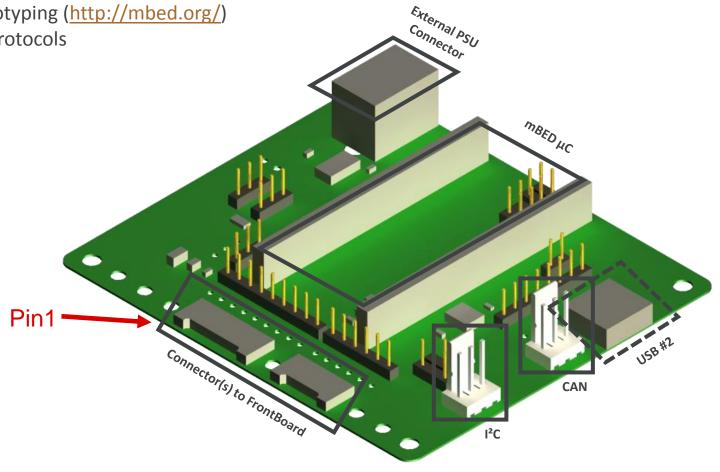




### EVB75030V2BB11 InterfaceBoard

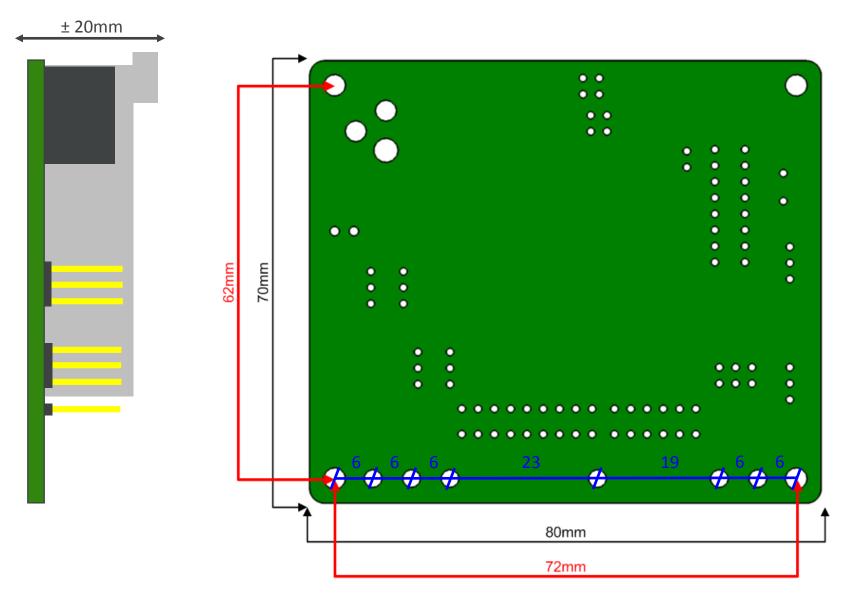
> InterfaceBoard between PC/laptop & MLX75030 applicationboards

- > Incl. mBed microcontroller for rapid prototyping (<u>http://mbed.org/</u>)
- Supports USB, CAN, I<sup>2</sup>C communication protocols
- USB powered via mBed or external PSU
- Dimensions : 70x80x1.6 mm



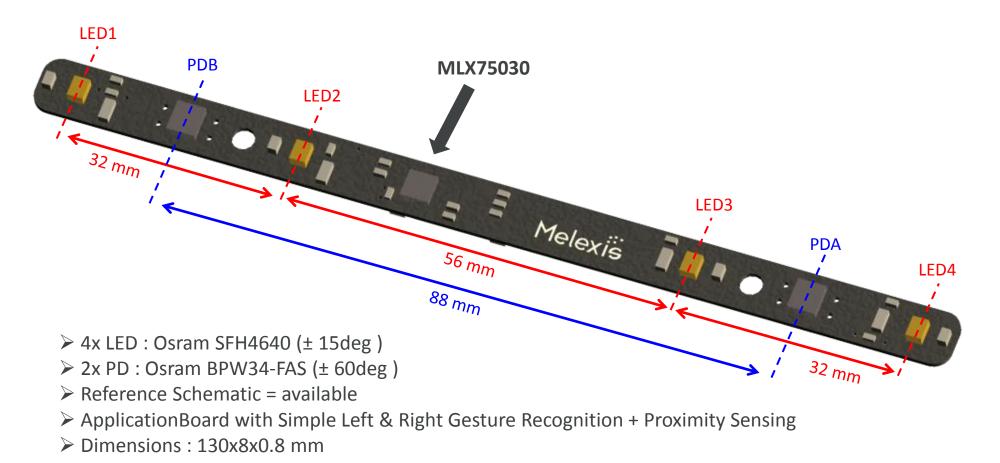


### EVB75030V2BB11 Mechanical Outline





### EVB75030V2LRP11 ApplicationBoard





### EVB75030V2CC95 ConnectionCable

Connection between applicationboard(s) & interfaceboard

- ≻ Length : 5cm
- ➤ 9 connections
- ≻ AWG : 28-30
- ➤ 2x connector Molex PanelMate<sup>TM</sup> <u>51146-0900</u>
- Ultra Low Profile, 1.25mm Pitch
- > 18x crimpterminal <u>50641</u>

➢ Pinout :

