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Infrared Multi-Function Board Evaluation Kit

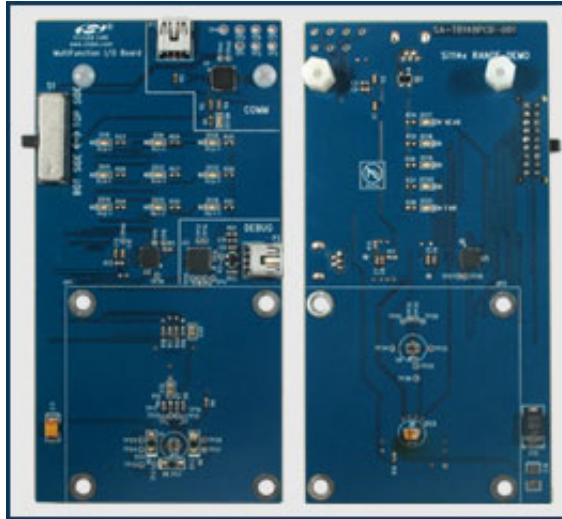
IRMFB-EK

The Si114x infrared multi-function board demonstrates the flexibility and configurability of the [Si114x product family](#), the industry's lowest power, longest range, multi-LED optical sensors. The two sides of the board exhibit distinctly different functions:

- The top side boasts an Si1143 three irLED “thumbscroll” implementation which allows a user to swipe over the sense array and navigate a 3 mm x 3 mm array of blue LED's. A tap to select gesture is also supported on this thumbscroll demo which blinks

the selected LED.

- The back of the board features a Si1141 single irLED range detection demo capable of sensing distances up to 30 cm for a hand and up to a meter for a torso. The blue LED array on the long range demo progressively lights up as a detectable object moves closer to the sensor.



Development of advanced motion and ambient light sensing is assisted by the [Si114x Programmer's Toolkit](#), which allows for development of software to control the IRMFB-EK from a PC. Sample source code for the IRMFB-EK is provided with the Si114x Programmer's Toolkit to enable rapid application development. The Si114x Programmer's Toolkit also contains Silicon Labs' powerful Control Panel and Performance Analysis Tool for real-time reflectivity monitoring with the IRMFB-EK.

The development kit includes:

- IRMFB-EB demonstration board
- (2) mini USB cables
- [IRMFB-EK Quick Start Guide](#)

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Additional Resources

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