


Log In
Register
Language
简体中文
繁體中文
日本語

Search silabs.com

Go
Parametric Search
Cross-Reference Search
About
About Us »
Investor Relations »
News »
Blog »
Careers »
Contact »
Products
Microcontrollers »
Wireless »
Sensors »
Interface »
USB Bridges »
Analog »
Clocks and Oscillators »
Isolators »
Power »
Audio & Radio »
Modems & DAAs »
TV & Video »
Voice »

[Find a Distributor »](#)

[Buy or Sample »](#)

Applications
Automotive »
Automotive Audio
Remote Keyless Entry
GPS
Communications & Telecommunications »
Datacenters
Telecom Line Card
Wireless Terminal
Computing »
Point of Sale Terminal

USB Soft Modem
USB Terminal Adaptor
Consumer Electronics »
Audio Receiver
Digital TV (DTV)
Wearables
Industrial Automation »
Energy Harvesting
Motor Control
Power and Isolation
Internet of Things »
Connected Home
Smart Metering
Wearables
Medical »
Blood Pressure
CPAP
Pulse Oximeter
Wireless »
Access Point
Basestation
Sensor Nodes
Community & Support
Community »
Discussion Forum
Knowledge Base
Training
Technical Support »
Resources »
Document Library »
Software Downloads »
Utilities »
CAD/CAE Schematics & Layouts »
Quality & Environmental Information »
University Program »
[Silicon Labs»Products»Sensors»IR Multi-Function Board Evaluation Kit](#)

Infrared Multi-Function Board Evaluation Kit

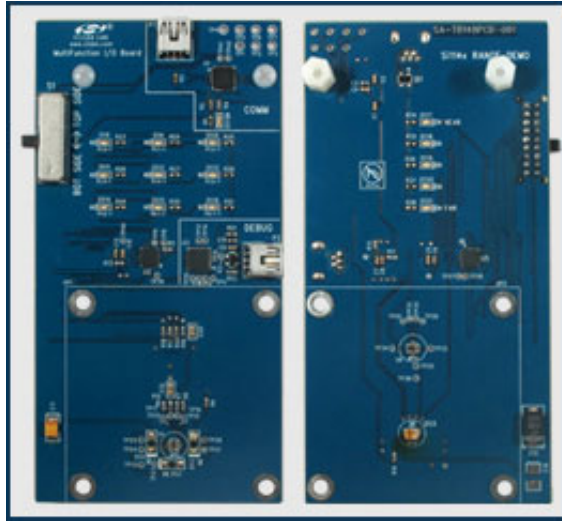
IRMFB-EK

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](#)

[Download the Optical Sensors Solutions Guide](#)

[Add to Cart](#)

Additional Resources

- [IRMFB-EK Quick Start Guide](#)

- [IRMFB-EK User's Guide and Schematics](#)
- [Optical Sensor Software Tools](#)

Find Products Fast

[Cross-Reference Search](#)

Get Support & Tools

[Software Downloads](#)

[Development Tools](#)

[Documentation](#)

[Knowledgebase](#)

[Training & Resources](#)

Need Help?

[Contact Support](#)

GET THE LATEST DOCUMENTATION UPDATES.

Register today



IR MULTI-FUNCTION BOARD EVAL KIT
Experience the flexibility and configurability of the lowest power, longest range, multi-LED optical sensors.



[About Us](#) [In the News](#) [Email Newsletter](#) [Cookies](#) [Contact Us](#) [Community](#) [Site Feedback](#)
[Sitemap](#) [Investor Relations](#) [Blog](#) [Privacy and Terms](#) [Corporate Citizenship](#)

Copyright © 2015 Silicon Laboratories. All rights reserved.