Log in to myMicrochip to access tools and benefits. Sign up in just one minute.





Part Number: EV65W60A

EV65W60A - LX34070 90 Degree Rotary EVB

Download Primary User Guide

- Differential outputs for low noise and output signal distortion
- High bandwidth: 100kHZ (<5us latency), so the sensor is used for high-speed resolver applications
- Independently adjustable offset and gain for output analog signals
- Programming via power pin or GPIO pin using LXM9518

Read More

In Stock : 42 (Processes Immediately)
When can I get more?

Quantity: 1

Buy Now

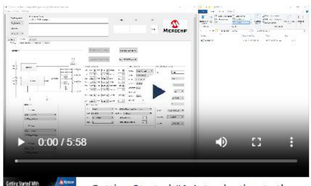
Overview

Start your next sensor development with an inductive position sensor for higher accuracy, immune to motor noise, and does not need a magnetic target. The LX34070 90 degree rotary EVB (EV65W60A) along with our free IPCE softwares allow you to evaluate, auto-calibrate, and customize this sensor to your application needs.

To get started, connect the LX34070 90 degree rotary EVB through our inductive sensor programmer (LXM9518) with your computer, and the **IPCE software** will auto recognize your device. If you go to the demo tab in the IPCE software, you can see and interact directly with the EVB. Watch our family of videos below for detailed instructions on how to measure, calibrate, and verify the sensor.

To explore more of our inductive sensor products, please visit the **Inductive Position Sensor Design Resources** page.

Videos





Getting Started #1: Introduction to the Integrated Programming and Calibration Environment (IPCE)
Length 00:05:58



Getting Started #2: Auto-Calibrate Your Sensor For Improved Accuracy
Length 00:09:45



Getting Started #3: Auto-Calibrating Sensors With Externally Collected Data and Other Advanced Calibration Techniques
Length 00:10:16



Getting Started #4: Improving Accuracy of Sensors With Microcontrollers
Length 00:12:32



Getting Started #5: Using IPCE Debug Mode to Verify Sensor Performance
Length 00:10:16



Getting Started #6: Speed Up Your Development Time With Nano Kits for Rotary and Linear Sensors
Length 00:10:11

Package Contents

- LX34070 90 degree rotary EVB with target assembly
- Interfacing cable for the LXM9518 programmer
- Interfacing cable for monitoring the outputs

Related Tools



LXK3302AR010 - LX3302A 180 DEGREE ROTARY INDUCTIVE POSITION SENSOR NANO KIT

Learn More

Add to Cart



LXK3302AL012 - LX3302A 50mm LINEAR INDUCTIVE POSITION SENSOR NANO KIT

Learn More

Add to Cart



LX3302A 120 Degree Rotary Inductive Position Sensor Evaluation Board with mikroBUS™

Learn More

Add to Cart



LX3302A 360 Degree Rotary Inductive Position Sensor Evaluation Board with mikroBUS™

Learn More

Add to Cart

All Application Notes

Documentation

Title
LX34070 90deg Rotary Eval Board Design Files — Download

Silicon Products

Product	Title
LX34070	High Speed Inductive Positions Sensor with Differential Outputs
LX3302A	Inductive Sensor Interface IC
LX3301A	Inductive Position Sensor IC
LX34050	Inductive Position Sensor IC

Support at Every Step
We are committed to partnering with you and making sure you have what you need to succeed.

Learn About Support

About
Company
Careers
Contact Us
Media Center

Support
Microchip Forums
AVR Freaks
Design Help
Technical Support

Quick Links
Microchip Direct
Microchip University
myMicrochip
Blogs

MICROCHIP
Microchip Technology Inc.
2355 West Chandler Blvd.
Chandler, Arizona, USA

This website uses cookies for analytics, personalization, and other purposes. Click to learn more. By continuing to browse, you agree to our use of cookies as described in our Cookies Statement.

Privacy Notice Accept Cookies