Overview

Getting Started With Inductive Position Sensors

RoHS Information

Purchase

Parametrics

LX3302A ☆

Inductive Sensor Interface IC

Status: In Production.

Download Data Sheet 🖺 Documentation



Symbols



for interfacing to and managing of inductive position sensors. These sensors use printed circuit board (PCB) traces to accurately detect the location of the metal target and are immune to stray magnetics fields and eliminate the need of a magnet, required with other types of magnetic field based sensors. The device includes an integrated oscillator circuit for driving the primary coil of an inductive sensor, along with two independent analog conversion paths for conditioning, Read More

Sampling Options

Purchase Options

12-bit Position Output Resolution

Product Features

12-bit DAC Output Interface, 16-bit PWM Output Interface

Recommended for Automotive Design

- SENT and PSI5 Output Interface -40°C to 150°C Operation
- AEC-Q100 Grade 0 Certification
- ISO26262 ASIL B Support
- Power Pin (VIN) Calibration Programming
- Digital Calibration with Non-volatile Configuration Storage (EEPROM)
- **Read More**

GPIO (SPI) Calibration Programming

Click on a property to perform a parametric search for other products with that property. Operating -40C to 150C (Grade 0) Temperature **ASIL B** ISO26262 Support Analog, PWM, SENT, **Output Interface** PSI5, SIN/COS **EEPROM Program** VIN, GPIO Temperature Sensor Yes Operating Voltage 4V to 6V Range Max Rated Voltage 20V Reverse Voltage -7V Rating MaxRefreshRate 2kHz

Search Documentation

Link

View All

All Application Notes

Documentation

Title	Document Category	DS Number	Download	Link
LX3302A Summary Data Sheet 🔒	Data Sheets	20006496	Download	
LX3302A SENT Interface Microcontroller Code Example	Application Notes		Download	
LX3302A Digital EEMODE Programming Microcontroller Code Example	Application Notes		Download	
LX3302A: Interfacing with 5v and 3.3v powered Microcontrollers	Application Notes		Download	Link
LX3301A/LX3302A PWM Interface Microcontroller Code Example	Application Notes		Download	
External Linearization of LX3302AQPW-EASY sensors using a PIC18F Microcontroller	Application Notes		Download	
LX3301A_LX3302A Product Brief	Product Brief		Download	
Inductive Position Sensor Pro Evaluation Kit User's Guide	User Guides	50003122	Download	
Embedded Software				

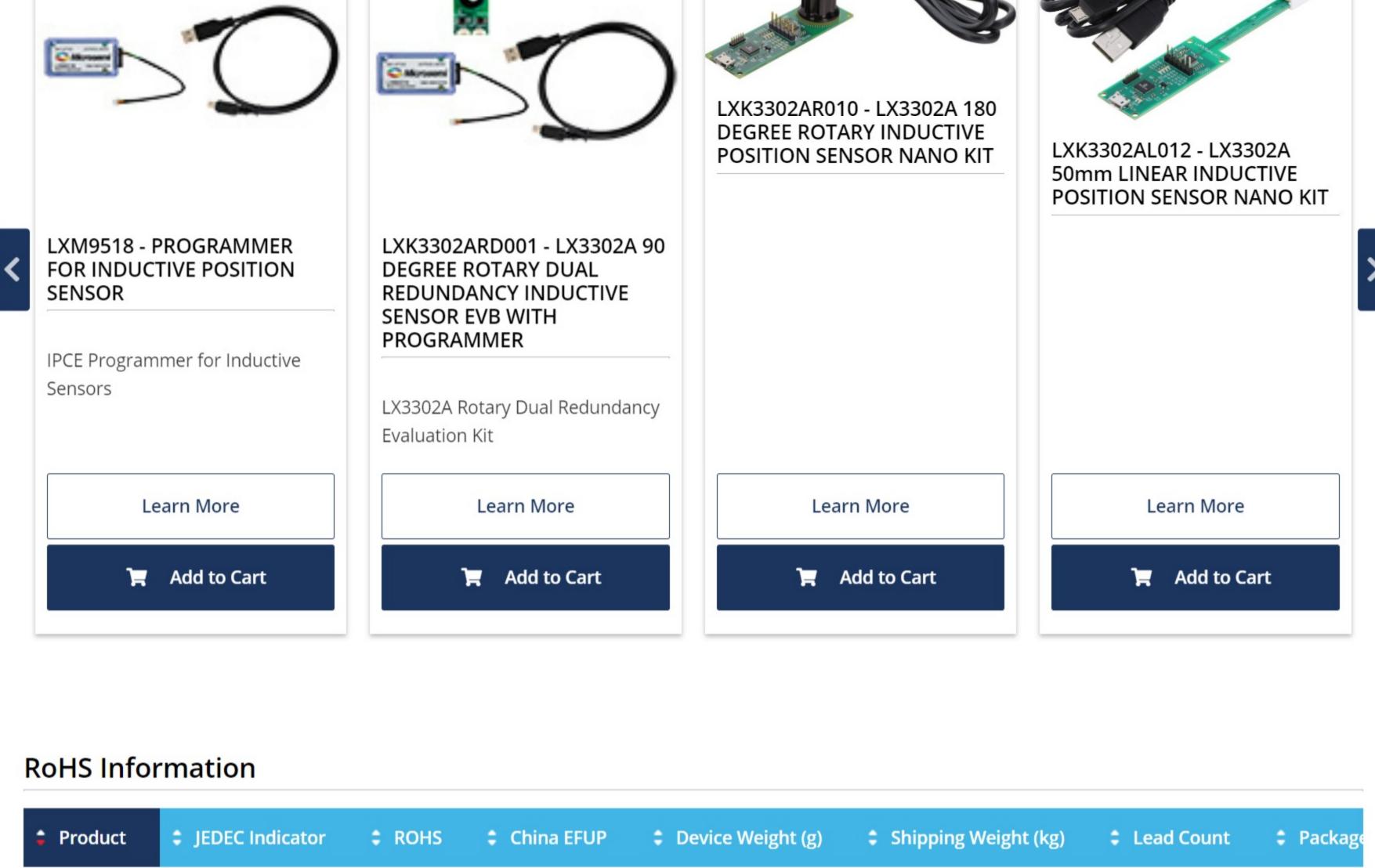
Sensor Evaluation and Calibration Software (2.8)

‡ Title

Development Environment		
	Demo & Evaluation Boards	

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Download



To see a complete listing of RoHS data for this device, please Click here Shipping Weight = Device Weight + Packing Material weight. Please contact sales office if device weight is not available.

0

1 of 1 results

0

Product Details

LX3302AQPW

Automotive Grade

Sample Product

Pins | Packaging

14 | TSSOP

Temp Range

-40C to

+150C

Packing Media

Tube (96)

0

0

Pricing

Buy Now Price,

Any Volume

1-24

25-99

USD

\$2.41

\$2.00

QUANTITY

0

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Availability

Out of Stock

Order now,

can ship on

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MACHINETER	LX3302AQPW-TR Automotive Grade Sample Product	14 TSSOP	-40C to +150C	Tape and reel (2500)	Buy Now Price, Any Volume 1-24 \$2.55 25-99 \$2.13 100+ \$1.94 Estimated High- Volume Pricing 1000-4999 *\$1.87 5000+ *\$1.85 Special Pricing Available for Larger Quantities	Out of Stock Order now, can ship on 23-Feb-2023	Add to Cart
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MCPDCHA N.A. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	LX3302AQPW-EASY Sample Product	14 TSSOP	-40C to +150C	Tube (96)	Buy Now Price, Any Volume 1-24 \$2.73 25-99 \$2.28 100+ \$2.07 Estimated High- Volume Pricing 1000-4999 *\$2.00 5000+ *\$1.97 Special Pricing Available for	Out of Stock Additional quantities can ship by 23- Feb-2023	Add to Cart

Tube (96)

Larger Quantities

Buy Now Price,

Estimated High-

Volume Pricing

1000-4999 *\$1.35

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Available for

\$1.85

\$1.54

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Any Volume

1-24

25-99

100+

5000+

Out of Stock

quantities can

Additional

ship by 23-

Feb-2023

Add to Cart

Multiples of 96

-40C to

+150C

14 | TSSOP

LX34050QPW-

Automotive Grade

Sample Product

VAO

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