

[Home](#) > [Products](#) > [Evaluation Boards](#) > TLE5012B_E1000_MS2GO

TLE5012B_E1000_MS2GO

Overview

automotive predefined variant with SSC & IIF communication protocols



[Parametrics](#)

Description:

[Documents](#)

Infineon's XENSIV™ TLx5012B magnetic angle sensor 2GO kit is a budget-priced entry level evaluation kit equipped with a TLE5012B /TLI5012B digital GMR angle sensor interfaced with an XMC1100 Infineon Microcontroller based on ARM Cortex M0 CPU. The sensor is assembled in four different variants:

[Order](#)

[Tools & Software](#)

[Support](#)

- TLE5012B E1000 version: automotive predefined variant with SSC & IIF communication protocols
- TLE5012B E5000 version: automotive predefined variant with SSC & PWM communication protocols
- TLE5012B E9000 version: automotive predefined variant with SSC & SPC communication protocols
- TLI5012B E1000 version: industrial predefined variant with SSC & IIF communication protocols

The hardware & software bundle allows decoding and acquisition of all communication protocols, access to RAM registers and soft fusing of different variants, software download at [sensors 2GO](#)

Summary of Features:

- TLE5012B / TLI5012B GMR digital angle sensor onboard
- XMC1100 onboard (ARM Cortex M0 based)
- The on-board debugger (J-Link lite implemented on XMC4200 microcontroller) allows writing your own application in Dave
- Power over USB (Micro USB), ESD and reverse current protection
- Free graphical user interface available to download
- The kit is compatible with the angle rotate knob
- Easy integration in your own prototype with the break-away sensor PCB

All add on components for Infineon XENSIV™ sensor 2GO kits can be found on [sensors 2GO](#)

Target Applications:

Automotive

Designers who used this product also designed with



Parametrics

Parametrics	TLE5012B_E1000_MS2GO
Applications	Automotive
Configuration	TLE5012B E1000
Family	Angle Sensor
Product Description	Infineon's XENSIV™ TLx5012B magnetic angle sensor 2GO kit is a budget-priced entry level evaluation kit equipped with a TLE5012B /TLI5012B digital GMR angle sensor interfaced with an XMC1100 Infineon Microcontroller based on ARM Cortex M0 CPU. The sensor is assembled in four different variants.

Documents

[+ User Manual](#)

Order

Sales Product Name	TLE5012B_E1000_MS2GO
OPN	TLE5012BE1000MS2GOTOBO1
Product Status	active and preferred
Package name	--
Order online	
Completely lead free	
Halogen free	
RoHS compliant	no
Packing Size	1
Packing Type	CONTAINER
Moisture Level	
Moisture Packing	NON DRY

Tools & Software

[+ Software](#)

Support

Live Chat is offline
实时支持离线

Please call
请电话联系
Infineon.com/call



Technical
Assistance Center
技术支持中心 (TAC)



Call us Toll Free
免费热线联系我们



— Find an answer to your question

Please state your question (with at least 3 words)

FAQ

1. What types of magnet does the Magnetic Angle Sensor TLE5012B need? [CN]
2. Unable to check the IFC pin 1 pulse while determining the mechanical zero position (We are using TL [CN]
3. What is the minimum unit of output angle for TLE5012B E1000? Can it sample at angle of 0.01 degree? [CN]
4. Which general parameters do you aim for between the sensitive area of the sensor and the central axi
5. Does the sensors (TLE5012B /TLE5014) need an external clock signal ? Could a crystal oscillator be [CN]
6. Is it possible to order TLE5012B E1000 factory configured in 10bit mode, (IFAB_RES bit 4:3 set to 1 [CN]

+ Submit a request to the Technical Assistance Center

+ Ask our community for support

Follow us



© 1999 - 2019 Infineon Technologies AG

> Usage of this website is subject to our [Usage Terms](#) > [Imprint](#) > [Contact](#) > [Privacy Policy](#) > [Glossary](#)