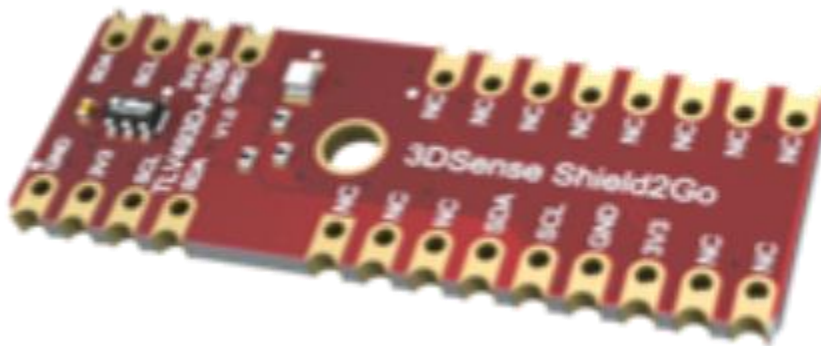




S2GO_3D-SENSE_TLV493D

Description:

TLV493D-A1B6 Description: Infineon's 3D magnetic sensor TLV493D-A1B6 offers accurate three dimensional sensing with extremely low power consumption. Within its small 6-pin package the sensor provides direct measurement of the x, y and z magnetic field components, making it ideally suited for the measurement of 3D movement, Linear travel and 360° angle rotation.



Description S2Go_3DSense_TLV493D: Infineon's S2Go_3DSense_TLV493D boards offer a unique customer and evaluation experience – the boards are equipped with one TLV493D-A1B6 magnetic sensor and come with a ready to use Arduino library. Customers can now develop their own system solutions by combining 2Go boards together with Infineon MyIoT adapters. MyIoT adapters are gateways to external hardware solutions like Arduino and Raspberry PI, which are popular IoT evaluation platforms. All this enables the fastest evaluation and development of IoT system on the market!

Summary of Features:

- 3D magnetic sensing

- Low current consumption 0.007 μ A in power down mode
- 2.7 to 3.5 V operating supply voltage
- Digital output via 2-wire standard I2C interface
- Bx, By and Bz linear field measurement up to ± 130 mT
- 12-bit data resolution for each measurement direction
- Operating temperature range from -40 $^{\circ}$ C to 125 $^{\circ}$ C
- TSOP6 package
- Free and easy download of Arduino libraries
- 2Go boards can be easily combined to systems by using MyloT adapters

Target Applications:

- Joystick e.g. finger, thumb and gaming paddles
- E-meters e.g. anti-tampering
- Control elements e.g. white goods, multifunction knob

Parametrics

Parametrics	S2GO_3D-SENSE_TLV493D
Configuration	TLV493D-A1B6
Description	-
Family	Sensor
Input Type	DC
Product Description	Shields for Arduino 2Go for 3D magnetic sensor
Qualification	Consumer
Supply Voltage min max	2.8 V 3.5 V
Target Application	Consumer
Type	Demo Board

Order

Sales Product Name	S2GO_3D-SENSE_TLV493D
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Sales Product Name	S2GO_3D-SENSE_TLV493D
OPN	S2GO3DSENSETLV493DTOBO1
Product Status	on request
Package name	--
Order online	
Completely lead free	
Halogen free	
RoHS compliant	no
Packing Size	1
Packing Type	CONTAINER
Moisture Level	
Moisture Packing	NON DRY