



MULTI-SENSE-GEVB: Multi Sensor Board (ALS, IMU, ENV)

The Multi-Sensor Board enables prototyping of devices for asset tracking, wearables, smart home and other smart sensing devices. The board includes an Ambient Light Sensor (ALS), Inertial (IMU) and Environmental Sensors (ENV).

With large Signal-to-Noise ratio and wide dynamic range, the NOA1306 on the Multi-sensor board, is an ideal choice for mobile applications that need ambient light sensing. The inertial sensing on the board is provided by Bosch's BNO055, a 9-axis absolute orientation sensor that includes an accelerometer, gyroscope and a magnetometer. BME680, from Bosch provides gas, pressure, humidity and temperature sensing capabilities on the Multi-sensor board.

Bosch BNO055 https://ae-bst.resource.bosch.com/media/_tech/media/datasheets/BST_BNO055_DS000_14.pdf

Bosch BME680 https://ae-bst.resource.bosch.com/media/_tech/media/datasheets/BST-BME680-DS001-00.pdf

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
MULTI-SENSE-GEVB	Active	Pb-free	Multi Sensor Board (ALS, IMU, ENV)	FAN3850AUC16X , NLAS323USG	Contact Local Sales Office

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	MULTI-SENSE-GEVB With TO Bill of Materials (ROHS Compliant)	MULTI-SENSE-GEVB_WITH_TO_BOM_ROHS - 133 KB	0
Eval Board: BOM	MULTI-SENSE-GEVB Without TO Bill of Materials (ROHS Compliant)	MULTI-SENSE-GEVB_NO_TO_BOM_ROHS - 132 KB	0
Eval Board: Schematic	MULTI-SENSE-GEVB with TO Schematic	MULTI-SENSE-GEVB_WITH_TO_SCHEMATIC - 186 KB	0
Eval Board: Gerber	MULTI-SENSE-GEVB_WITH_TO_GERBER.ZIP	MULTI-SENSE-GEVB_WITH_TO_GERBER - 30 KB	0

<http://www.onsemi.com/PowerSolutions/evalBoard.do?id=MULTI-SENSE-GEVB> 6-14-18