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Home > Support > Design Support > Design Resources & Documents > Evaluation/Development Tools

ALS-GEVB: Ambient Light Sensor (ALS) Shield Evaluation Board

The NOA1305 ambient light sensor (ALS) is designed for handheld applications and integrates a 16-bit ADC, a 2-wire I2C digital interface, internal clock oscillator and a power down mode. The built in dynamic dark current compensation and precision calibration capability coupled with excellent IR and 50-60 Hz flicker rejection enables highly accurate measurements from very low light levels to full sunlight. The device can support simple count equals lux readings in interrupt-driven or polling modes. The NOA1305 employs proprietary CMOS image sensing technology from ON Semiconductor to provide large signal to noise ratio (SNR) and wide dynamic range (DR) over the entire operating temperature range. The

ALS-GEVB Schematic

optical filter used with this chip provides a light response similar to that of the human eye.

Evaluation/Development Tool Information Product Status Compliance Short Description Parts Used Action >> Contact ALS Ambient Light Sensor (ALS) Shield Evaluation NOA1305CUTAG, Local Sales Pb-free Active GEVB Board PCA9655EMTTXG Office >> Inventory **Technical Documents Document Title** Document ID/Size Rev Туре Eval Board: BOM ALS-GEVB_BOM_ROHS - 21 KB ALS-GEVB Bill of Materials (ROHS Compliant) 0 ALS-GEVB Gerber Layout Files (Zip Format) ALS-GEVB_GERBER - 135 KB 0 Eval Board: Gerber

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ALS-GEVB_SCHEMATIC - 282 KB





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Eval Board: Schematic