

Evaluation Board | AR0830CSSH11SMKAH3-GEVB

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8MP 1/2 CIS CSP59 RGBIR 11DEG CRA SER Demo3 HB

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Overview

The AR0830CSSH11SMKAH3-GEVB (Sensor Board) uses an advanced Backside Illuminated (BSI) pixel from onsemi. It delivers enhanced optical performance both in visible & NIR spectrums and the sensor consumes very low power delivering superior image quality. The Sensor Board can be interfaced to the Demo3 Evaluation Board, or with the AP1302 Evaluation Board stacked on Demo3 Evaluation Board. The combined kit uses the popular DevSuite software from ON Semiconductor to configure the system. The software provides a comprehensive setup interface and flexibility to evaluate the sensor’s features and capabilities.

The sensor board comes with a lens suitable for evaluation. Users can use their own lens if it is compatible with the mechanical & optical requirements.

To get started with the AR0830CSSH11SMKAH3-GEVB, you will also need:

- Demo 3 Evaluation Board (AGB1N0CS-GEVK)

AP1302 Evaluation Board (optional)

DevSuite Software



Evaluation/Development Tools

Product	Type	Ref. Design	Status	Part Used	Action
AR0830CSSH11SMKAH3-GEVB 8MP 1/2 CIS CSP59 RGBIR 11DEG CRA SER Demo3 HB	Evaluation Board	No	Active	AR0830CS SMKA0-CF	Price N/A Check Inventory

Technical Documentation

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Name / Description	Document Type	Modified date
AR0830CSSH11SMKAH3-GEVB Schematic AR0830CSSH11SMKAH3-GEVB_SCHEMATIC 0 Eval Board: Schematic 577.54 KB EN	Eval Board: Schematic	August 01, 2023
AR0830CSSH11SMKAH3-GEVB Bill of Materials (ROHS Compliant) AR0830CSSH11SMKAH3-GEVB_BOM_ROHS 0 Eval Board: BOM 104.45 KB EN	Eval Board: BOM	September 01, 2023

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