



AR0140AT: 1.0 MP 1/4" CMOS Image Sensor

Overview Specifications



Product Overview

»View Material Composition
»No Product Change Notifications exist

ON Semiconductor's AR0140AT is a 1/4-inch CMOS digital image sensor with an active-pixel array of 1280x800V. It captures images in either linear or high dynamic rangemodes, with a rolling-shutter readout. It includes sophisticated camera functions such as in-pixel binning, windowing and both video and single frame modes. It is designed for both low light and high dynamic range scene performance. It is programmable through a simple two-wire serial interface. The AR0140AT produces extraordinarily clear, sharp digital pictures, and its ability to capture both continuous video and single frames makes it the perfect choice for a wide range of applications.

Features

- High Dynamic Range

Applications

- Automotive

Technical Documentation & Design Resources

Package Drawings (1)

Evaluation Board Documents (2)

Videos (1)

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Action
AR0140AT3C00XUEAD3-GEVK	Active	Pb-free	1 MP Sunex DSL945D 1/4" iBGA CIS DK	»Contact Local Sales Office
AR0140AT3C00XUEAH-GEVB			1.0 MP 1/4" CIS HB	»Contact Local Sales Office
AR0140AT3C00XUEAH3-GEVB	Active	Pb-free	1 MP Sunex DSL945D 1/4" iBGA CIS HB	»Contact Local Sales Office

Availability and Samples

Product	Status	Compliance	Description	Package		MSL*	Container		Budgetary Price/Unit
				Type	Case Outline		Type	Qty.	
AR0140AT3C00XUEA0-DPBR	Active	AEC Qualified PPAP Capable Pb-free Halide free	1.0 MP 1/4" CMOS Image Sensor	IBGA-63	503AH	3	Tray JEDEC	2600	Contact Sales Office
AR0140AT3C00XUEA0-DPBR1	Active	AEC Qualified PPAP Capable Pb-free Halide free	1.0 MP 1/4" CMOS Image Sensor	IBGA-63	503AH	3	Tray JEDEC	260	Contact Sales Office
AR0140AT3C00XUEA0-DRBR	Active	AEC Qualified PPAP Capable Pb-free Halide free	1.0 MP 1/4" CMOS Image Sensor	IBGA-63	503AH	3	Tray JEDEC	2600	Contact Sales Office
AR0140AT3C00XUEA0-DRBR1	Active	AEC Qualified PPAP Capable Pb-free Halide free	1.0 MP 1/4" CMOS Image Sensor	IBGA-63	503AH	3	Tray JEDEC	260	Contact Sales Office
AR0140AT3C00XUEA0-TPBR	Active	AEC Qualified PPAP Capable Pb-free Halide free	1.0 MP 1/4" CMOS Image Sensor	IBGA-63	503AH	3	Tape and Reel	2000	Contact Sales Office

Moisture Sensitivity level (MSL) for surface mount devices (lead free measured at 260°C reflow, non lead free at 235°C reflow)

Previously Viewed Products

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New Products

KAF-09001 : Full Frame CCD Image Sensor, 9.1 MP

- High sensitivity pixels with low readout noise
- 10 fps video with 3 x 3 binning
- 84 dB linear dynamic range

KAE-04471 : Interline Transfer EMCCD Image Sensor

- One camera from Sunlight to Starlight
- High resolution, 4 Mp image capture
- 7.4 μm pixels for enhanced sensitivity

Design Support

- » Technical Documentation
- » Design Resources & Documents
- » Technical Support
- » Sales Support

Featured Video

Features and Set-up of the Mainstream CMOS Image Sensor Demo Boards

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