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# AR0140AT: CMOS Image Sensor, 1.0 MP, 1/4"



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ON Semiconductor's AR0140AT is a 1/4-inch CMOS digital image sensor with an active-pixel array of 1280Hx800V. 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. TheAR0140AT 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
AR0140AT2C00XUEAH-GEVB			1.0 MP 1/4" CIS HB	» 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 & Samples Specifications

Product	Status	Compliance	Description	Package		MSL*	Container		Budgetary Price/Unit
				Type	Case Outline		Type	Qty.	
AR0140AT2C00XUEA0-DPBR	Active	AEC Qualified PPAP Capable Pb-free Halide free	CMOS Image Sensor, 1.0 MP, 1/4"	IBGA-63	503AH	3	Tray JEDEC	2600	Contact Sales Office
AR0140AT3C00XUEA0-DPBR	Active	AEC Qualified PPAP Capable Pb-free Halide free	CMOS Image Sensor, 1.0 MP, 1/4"	IBGA-63	503AH	3	Tray JEDEC	2600	Contact Sales Office
AR0140AT3C00XUEA0-DPBR1	Active	AEC Qualified PPAP Capable Pb-free Halide free	CMOS Image Sensor, 1.0 MP, 1/4"	IBGA-63	503AH	3	Tray JEDEC	260	Contact Sales Office
AR0140AT3C00XUEA0-DRBR	Active	AEC Qualified PPAP Capable Pb-free Halide free	CMOS Image Sensor, 1.0 MP, 1/4"	IBGA-63	503AH	3	Tray JEDEC	2600	Contact Sales Office
AR0140AT3C00XUEA0-DRBR1	Active	AEC Qualified PPAP Capable Pb-free Halide free	CMOS Image Sensor, 1.0 MP, 1/4"	IBGA-63	503AH	3	Tray JEDEC	260	Contact Sales Office
		AEC							

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- Do you also need [EEPROM Memory](#)?
- Do you also need [LDO Regulators & Linear Voltage Regulators](#)?

## Support

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

## Featured Video

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



More Videos ...

AR0140AT3C00XUEA0-TPBR	Active	Qualified PPAP Capable Pb-free Halide free	CMOS Image Sensor, 1.0 MP, 1/4"	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)									

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