

## Product Overview

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

For complete documentation, see the data sheet.

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. 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

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Package Type
AR0140AT2C00XUEA0-DPBR		AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	1	60	1/4 inch	Electronic Rolling	3.0 x 3.0	-	RGB	IBGA-63
AR0140AT3C00XUEA0-DPBR		AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	1	60	1/4 inch	Electronic Rolling	3.0 x 3.0	-	RGB	IBGA-63
AR0140AT3C00XUEA0-DPBR1		AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	1	60	1/4 inch	Electronic Rolling	3.0 x 3.0	Serial Parallel	RGB	IBGA-63
AR0140AT3C00XUEA0-DRBR		AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	1	60	1/4 inch	Electronic Rolling	3.0 x 3.0	-	RGB	IBGA-63
AR0140AT3C00XUEA0-DRBR1		AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	1	60	1/4 inch	Electronic Rolling	3.0 x 3.0	Serial Parallel	RGB	IBGA-63
AR0140AT3C00XUEA0-TPBR		AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	1	60	1/4 inch	Electronic Rolling	3.0 x 3.0	Parallel Serial	RGB	IBGA-63

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