



# ARX550AT: CMOS Image Sensor, VGA, 1/5"



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ON Semiconductor's ARX550AT is a 1/5-inch CMOS digital image sensor with an active-pixel array of 848H x638V. It captures images in either linear or high dynamic range modes, with a rolling-shutter readout. It includes sophisticated camera functions such as auto exposure control, windowing, and both video and single frame modes. The ARX550AT 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, including ADAS cameras.

## Features

- High Dynamic Range

## End Products

- ADAS cameras

## Technical Documentation & Design Resources

Package Drawings (1)

## Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Action
<a href="#">ARX550AT2C00XPEAH-GEVB</a>	Active	Pb-free	0.5 MP Sunex DSL945D 1/5" iBGA CIS HB	» <a href="#">Contact Local Sales Office</a>
<a href="#">ARX550AT2C00XPEAH-S216-GEVB</a>	Active	Pb-free	0.5 MP Sunex DSL216A 1/5" iBGA CIS HB	» <a href="#">Contact Local Sales Office</a>
<a href="#">ARX550AT2R00XPEAH-GEVB</a>	Active	Pb-free	0.5 MP Sunex DSL945D 1/5" iBGA CIS HB	» <a href="#">Contact Local Sales Office</a>
<a href="#">ARX550CS2C00SPEAD3-GEVK</a>	Active	Pb-free	VGA 1/5" CIS DK	» <a href="#">Contact Local Sales Office</a>
<a href="#">ARX550HDSC00XPEAH-GEVB</a>	Active	Pb-free	0.5 MP Sunex DSL945D 1/5" iBGA CIS HB	» <a href="#">Contact Local Sales Office</a>

## Availability & Samples

## Specifications

Product	Status	Compliance	Description	Package		MSL*	Container		Budgetary Price/Unit
				Type	Case Outline		Type	Qty.	
<a href="#">ARX550AT2C00XPEA0-DRBR</a>	Active	AEC Qualified PPAP Capable Pb-free Halide free	CMOS Image Sensor, VGA, 1/5"	IBGA-63	503AJ	3	Tray JEDEC	2600	<a href="#">Contact Sales Office</a>
<a href="#">ARX550AT2C00XPEA0-TRBR</a>	Active	AEC Qualified PPAP Capable Pb-free Halide free	CMOS Image Sensor, VGA, 1/5"	IBGA-63	503AJ	3	Tape and Reel	2000	<a href="#">Contact Sales Office</a>
<a href="#">ARX550AT2R00XPEA0-DRBR-E</a>	Active	Pb-free Halide free	CMOS Image Sensor, VGA, 1/5"	IBGA-63	503AJ	3	Tray JEDEC	1	<a href="#">Contact Sales Office</a>

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## Associated Products

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Do you also need [EEPROM Memory?](#)

Do you also need [Image Processors?](#)

## Design Support

[Technical Documentation](#)

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ARX550HDSC00XPEA0-DRBR	Active	Qualified PPAP Capable Pb-free Halide free	CMOS Image Sensor, VGA, 1/5"	IBGA-63	503AJ	3	Tray JEDEC	2600	Contact Sales Office
ARX550HDSC00XPEA0-DRBR1	Active	AEC Qualified PPAP Capable Pb-free Halide free	CMOS Image Sensor, VGA, 1/5"	IBGA-63	503AJ	3	Tray JEDEC	260	Contact Sales Office
ARX550HDSC00XPEA0-TRBR	Active	AEC Qualified PPAP Capable Pb-free Halide free	CMOS Image Sensor, VGA, 1/5"	IBGA-63	503AJ	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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