



Product Overview

ASX344AT: VGA 1/4" CMOS Image Sensor System-on-Chip

For complete documentation, see the data sheet

Product Description

The ON Semiconductor ASX344AT is a VGA-format, single-chip CMOS active-pixel digital image sensor for automotive applications. It captures high-quality color images at VGA resolution and outputs NTSC or PAL interlaced composite video. The VGA CMOS image sensor features ON Semiconductor's breakthrough low-noise imaging technology that achieves superior image quality (based on signal-to-noise ratio and lowlight sensitivity) while maintaining the inherent size, cost, low power, and integration advantages of ON Semiconductor's advanced active pixel CMOS process technology. The ASX344AT is a complete camera-on-a-chip. It incorporates sophisticated camera functions on-chip and is programmable through a simple two-wire serial interface or by an attached SPI or serial EEPROM or Flash memory that contains setup information that may be loaded automatically at startup.

Applications

- Automotive

Part Electrical Specifications

Product	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Package Type
ASX344ATSC00XUEA0-DPBR	AEC Qualified PPAP Capable Pb-free Halide free	Product Preview	CMOS	VGA	60	1/4 inch	Electronic Rolling	5.6 x 5.6		RGB	IBGA-63
ASX344ATSC00XUEA0-DRBR	AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	VGA	60	1/4 inch	Electronic Rolling	5.6 x 5.6		RGB	IBGA-63
ASX344ATSC00XUEA0-DRBR1	AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	VGA	60	1/4 inch	Electronic Rolling	5.6 x 5.6		RGB	IBGA-63
ASX344ATSC00XUEA0-TPBR	AEC Qualified PPAP Capable Pb-free Halide free	Product Preview	CMOS	VGA	60	1/4 inch	Electronic Rolling	5.6 x 5.6		RGB	IBGA-63
ASX344ATSC00XUEA0-TRBR	AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	VGA	60	1/4 inch	Electronic Rolling	5.6 x 5.6		RGB	IBGA-63

For more information please contact your local sales support at www.onsemi.com

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