



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Product Overview

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

For complete documentation, see the data sheet.

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 | Active | 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 | NEW | 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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