



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Product Overview

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

For complete documentation, see the data sheet.

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

Part Electrical Specifications

| Product | Compliance | Status | Type | Megapixels | Frame Rate (fps) | Optical Format | Shutter Type | Pixel Size (µm) | Output Interface | Color | Package Type |
|--------------------------|---|--------|------|------------|------------------|----------------|--------------------|-----------------|------------------|-------|--------------|
| ARX550AT2C00XPEA0-DRBR | AEC Qualified PPAP Capable Pb-free Halide free | Active | CMOS | VGA | 60 | 1/5 inch | Electronic Rolling | 3.75 x 3.75 | - | RGB | IBGA-63 |
| ARX550AT2C00XPEA0-TRBR | AEC Qualified PPAP Capable Pb-free Halide free | Active | CMOS | VGA | 60 | 1/5 inch | Electronic Rolling | 3.75 x 3.75 | - | RGB | IBGA-63 |
| ARX550AT2R00XPEA0-DRBR-E | Pb-free Halide free | Active | CMOS | VGA | 60 | 1/5 inch | Electronic Rolling | 3.75 x 3.75 | - | RGB | IBGA-63 |
| ARX550HDSC00XPEA0-DRBR | AEC Qualified PPAP Capable Pb-free Halide free | Active | CMOS | VGA | 60 | 1/5 inch | Electronic Rolling | 3.75 x 3.75 | - | RGB | IBGA-63 |
| ARX550HDSC00XPEA0-DRBR1 | AEC Qualified PPAP Capable Pb-free Halide free | Active | CMOS | VGA | 60 | 1/5 inch | Electronic Rolling | 3.75 x 3.75 | - | RGB | IBGA-63 |
| ARX550HDSC00XPEA0-TRBR | AEC Qualified PPAP Capable Pb-free Halide free | Active | CMOS | VGA | 60 | 1/5 inch | Electronic Rolling | 3.75 x 3.75 | - | RGB | IBGA-63 |

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

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