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

Product Overview

AP0100AT: Image Signal Processor, 1 MP

For complete documentation, see the data sheet.

AP0100AT is a dedicated automotive image co-processor that enables flexible camera platforms using high performance ON Semiconductor megapixel high dynamic range (HDR) sensors. The two-chip solution of sensor and co-processor allows for multiple camera price and performance points with re-use of circuit board design, fast time to market and design flexibility. Sensor performance is enhanced by the reduction in heat resulting from a separate co-processor chip while at the same time enabling high performance features. The AP0100AT supports 185-degree fisheye lens distortion correction, perspective correction and multiple view options such as split side view, triptych and trailer hitch. This co-processor works with ON Semiconductor's AR0132AT and AR0140AT HDR automotive sensors, and is ideal for NTSC/PAL backup cameras.

Features

- High Dynamic Range

Applications

- Automotive

Part Electrical Specifications

Product	Compliance	Status	Frame Rate (fps)	Video	Output Format	Compatible Sensors	Package Type
AP0100AT2L00XUGA0-AM-DR	AEC Qualified PPAP Capable Pb-free Halide free	Active	45	720p/60 fts , NTSC/PAL	YUV	ARX550 AR0132 AR0140	VFBGA-100
AP0100AT2L00XUGA0-AM-DR1	AEC Qualified PPAP Capable Pb-free Halide free	Active	45	720p/60 fts , NTSC/PAL	YUV	AR0132 ARX550 AR0140	VFBGA-100
AP0100AT2L00XUGA0-AM-TR	AEC Qualified PPAP Capable Pb-free Halide free	Active	45	720p/60 fts , NTSC/PAL	YUV	AR0132 AR0140 ARX550	VFBGA-100
AP0100AT2L00XUGA0-DR	AEC Qualified PPAP Capable Pb-free Halide free	Active	45	720p/60 fts , NTSC/PAL	YUV	ARX550 AR0132 AR0140	VFBGA-100
AP0100AT2L00XUGA0-DR1	AEC Qualified PPAP Capable Pb-free Halide free	Active	45	720p/60 fts , NTSC/PAL	YUV	AR0140 AR0132 ARX550	VFBGA-100
AP0100AT2L00XUGA0-TR	AEC Qualified PPAP Capable Pb-free Halide free	Active	45	720p/60 fts , NTSC/PAL	YUV	ARX550 AR0132 AR0140	VFBGA-100
AP0100AT2L00XUGA0-TR-E	Pb-free Halide free	Active	45	720p/60 fts , NTSC/PAL	YUV	ARX550 AR0140 AR0132	VFBGA-100

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

Created on: 8/18/2018