



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

AP0101AT: Image Signal Processor, 1 MP

For complete documentation, see the data sheet.

AP0101AT 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 AP0101AT is ideal for Automotive Digital Surround View Systems. It works with ON Semiconductor's AR0132AT HDR automotive sensor.

Features

- High Dynamic Range

Applications

- Automotive

Part Electrical Specifications

Product	Compliance	Status	Frame Rate (fps)	Video	Output Format	Compatible Sensors	Package Type
AP0101AT2L00XPGA 0-AM-DR	AEC Qualified PPAP Capable Pb-free Halide free	Active	45	1.2 MP/45 fts 720p/60 fps	SMPTE 296M YUV	AR0140 MT9M025 MT9M034 AR0132AT	VF8GA-81
AP0101AT2L00XPGA 0-AM-TR	AEC Qualified PPAP Capable Pb-free Halide free	Active	45	1.2 MP/45 fts 720p/60 fps	YUV SMPTE 296M	MT9M025 AR0140 MT9M034 AR0132AT	VF8GA-81
AP0101AT2L00XPGA 0-DR	AEC Qualified PPAP Capable Pb-free Halide free	Active	45	720p/60 fps 1.2 MP/45 fts	YUV SMPTE 296M	MT9M034 AR0132AT AR0140 MT9M025	VF8GA-81
AP0101AT2L00XPGA 0-TR	AEC Qualified PPAP Capable Pb-free Halide free	Active	45	720p/60 fps 1.2 MP/45 fts	SMPTE 296M YUV	AR0132AT AR0140 MT9M025 MT9M034	VF8GA-81
AP0101AT2L00XPGA 0-TR-E	Pb-free Halide free	Active	45	1.2 MP/45 fts 720p/60 fps	YUV SMPTE 296M	AR0140 AR0132AT MT9M034 MT9M025	VF8GA-81

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

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