

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-DR	AEC Qualified	Active	45	720p/60 fps	YUV	MT9M034	VFBGA-81
	PPAP Capable			1.2 MP/45 fps	SMPTE 296M	AR0132AT	
	Pb-free					AR0140	
	Halide free					MT9M025	
AP0101AT2L00XPGA 0-TR	AEC Qualified	Active	45	720p/60 fps	SMPTE 296M	AR0132AT	VFBGA-81
	PPAP Capable			1.2 MP/45 fps	YUV	AR0140	
	Pb-free					MT9M025	
	Halide free					MT9M034	
AP0101AT2L00XPGA 0-TR-E	Pb-free	Active	45	1.2 MP/45 fps	YUV	AR0140	VFBGA-81
	Halide free			720p/60 fps	SMPTE 296M	AR0132AT	
						MT9M034	
						MT9M025	

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

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