

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 fps 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 fps 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 fps	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 fps	SMPTE 296M YUV	AR0132AT AR0140 MT9M025 MT9M034	VF8GA-81
AP0101AT2L00XPGA 0-TR-E	Pb-free Halide free	Active	45	1.2 MP/45 fps 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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