

## 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

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