

[Home](#) > [Products](#) > [Sensors](#) > [Image Sensors & Processors](#) > [Image Processors](#) > [AP0102AT](#)

# AP0102AT: Image Signal Processor, 1 MP

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AP0102AT 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 AP0102AT 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, AR0140AT and AR0136AT HDR automotive sensors, and is ideal for digital rear view cameras.

## Features

- HDR

## Applications

- Automotive

## Technical Documentation & Design Resources

[Package Drawings \(1\)](#)[Videos \(11\)](#)

## Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Action
<a href="#">MARS1-AP0102AT2-GEVB</a>	Active	Pb-free	Up to 1.2 MP MARS Image Co-processor Evaluation Board	<a href="#">» Contact Local Sales Office</a>

## Availability & Samples

## Specifications

Product	Status	Compliance	Description	Package		MSL*	Container		Budgetary Price/Unit
				Type	Case Outline		Type	Qty.	
AP0102AT2L00XPGA0-DR	Active	AEC Qualified PPAP Capable Pb-free Halide free	Image Signal Processor, 1 MP	VFBGA-100	138AH	3	Tray JEDEC	2600	<a href="#">Contact Sales Office</a>
AP0102AT2L00XPGA0-TR	Active	AEC Qualified PPAP Capable Pb-free Halide free	Image Signal Processor, 1 MP	VFBGA-100	138AH	3	Tape and Reel	3000	<a href="#">Contact Sales Office</a>

Moisture Sensitivity level (MSL) for surface mount devices (lead free measured at 260°C reflow, non lead free at 235°C reflow)

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