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AP0202AT: Image Signal Processor, 2 MP

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AP0202AT 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 AP0202AT includes a complete imaging color pipe and supports up to 2 Megapixel sensors. It offers parallel and OpenDI output interfaces. This co-processor works with ON Semiconductor's AR0230AT, AR0132AT, AR0140AT and AR0136AT HDR automotive sensors, and is ideal for digital surround 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
MARS1-AP0202AT2-GEVB	Active	Pb-free	Up to 2.0 MP MARS Image Co-processor Evaluation Board	** Contact Local Sales Office

Availability & Samples

Specifications

Product	Status	Compliance	Description	Package		MSL*	Container		Budgetary Price/Unit
				Type	Case Outline		Type	Qty.	
AP0202AT2L00PGAD-DR	Active	AEC Qualified PPAP Capable Pb-free Halide free	Image Signal Processor, 2 MP	VBGA-100	138AH	3	Tray JEDEC	2600	Contact Sales Office
AP0202AT2L00PGAD-TR	Active	AEC Qualified PPAP Capable Pb-free Halide free	Image Signal Processor, 2 MP	VBGA-100	138AH	3	Tape and Reel	3000	Contact Sales Office

*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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