

AR0140CS: CMOS Image Sensor, 1.0 MP, 1/4"

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[Product Overview](#)

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ON Semiconductor's AR0140CS is a 1/4-inch CMOS digital image sensor with an active-pixel array of 1280Hx800V. It captures images in either linear or high dynamic rangemodes, with a rolling-shutter readout. It includes sophisticated camera functions such as in-pixel binning,windowing and both video and single frame modes. It is designed for both low light and high dynamic range scene performance. It is programmable through a simple two-wire serial interface. TheAR0140CS produces extraordinarily clear, sharp digital pictures, and its ability to capture both continuous video and single frames makes it the perfect choice for a wide range of applications.

- Features
- High Dynamic Range

- Applications
- Security

Technical Documentation & Design Resources	
Application Notes (3)	Videos (1)
Reference Manuals (1)	Evaluation Board Documents (5)
Package Drawings (1)	

Evaluation/Development Tool Information				
Product	Status	Compliance	Short Description	Action
AR0140CS2C00SUCAD3-GEVK	Active	Pb-free	1 MP Sunex DSL945D 1/4" iBGA CIS DK	»Contact Local Sales Office
AR0140CS2C00SUEAH-GEVB			1.0 MP 1/4" CIS HB	»Contact Local Sales Office
AR0140CS2C00SUEAH3-GEVB	Active	Pb-free	1 MP Sunex DSL945D 1/4" iBGA CIS HB	»Contact Local Sales Office
AR0140CSSC00SUCAH-GEVB	Active	Pb-free	1.0 MP 1/4" CIS HB	»Contact Local Sales Office

Availability & Samples		Specifications							
Product	Status	Compliance	Description	Package		MSL*	Container		Budgetary Price/Unit
				Type	Case Outline		Type	Qty.	
AR0140CS2C00SUEA0-DRBR	Active	Pb-free Halide free	CMOS Image Sensor, 1.0 MP, 1/4", RGB, Multi Interface, IBGA package, double side AR glass (Dry Pack)	IBGA-63	503AH	3	Tray JEDEC	2600	Contact Sales Office Inventory
AR0140CS2C00SUEA0-DRBR1	Active	Pb-free Halide free	CMOS Image Sensor, 1.0 MP, 1/4", RGB, Multi Interface, IBGA package, double side	IBGA-63	503AH	3	Tray JEDEC	260	Contact Sales Office Inventory

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Featured Video

Features and Set-up of the Mainstream CMOS Image Sensor Demo Boards

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			AR glass (Dry Pack) Low MOQ					
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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