

## Product Overview

### MT9M021: CMOS Image Sensor, Digital, Global Shutter, 1.2 MP, 1/3"

For complete documentation, see the data sheet.

ON Semiconductor's focus on pixel performance excellence provides the foundation for this sensor's exceptional image quality with superior performance. The sensor integrates ON Semiconductor's smallest, high performance global shutter technology for high speed image capture into a 1/3-inch optical format high definition (HD) device. The 3.75-micron global shutter pixel with exceptional low light performance can stop action without the artifacts typically associated with conventional rolling shutter pixels.

#### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Package Type
MT9M0211A3XTM-DPBR		Pb-free	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	HiSPi™ Parallel	Mono	IBGA-63
		Halide free non AEC-Q and PPAP										
MT9M0211A3XTMZ-DPBR		Pb-free	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	HiSPi™ Parallel	Mono	IBGA-63
		Halide free non AEC-Q and PPAP										
MT9M0211A3XTMZ-DRBR		Pb-free	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	HiSPi™ Parallel	Mono	IBGA-63
		Halide free non AEC-Q and PPAP										
MT9M0211A3XTMZ-TPBR		Pb-free	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	HiSPi™ Parallel	Mono	IBGA-63
		Halide free non AEC-Q and PPAP										
MT9M031112STC-DPBR		Pb-free	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	Parallel	RGB	ILCC-48
		Halide free non AEC-Q and PPAP										
MT9M031112STC-DPBR1		Pb-free	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	Parallel	RGB	ILCC-48
		Halide free non AEC-Q and PPAP										
MT9M031112STC-DRBR		Pb-free	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	Parallel	RGB	ILCC-48
		Halide free non AEC-Q and PPAP										
MT9M031112STM-DPBR		Pb-free	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	Parallel	Mono	ILCC-48
		Halide free non AEC-Q and PPAP										
MT9M031112STM-DRBR		Pb-free	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	Parallel	Mono	ILCC-48
		Halide free non AEC-Q and PPAP										
MT9M031112STM-DRBR1		Pb-free	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	Parallel	Mono	ILCC-48
		Halide free non AEC-Q and PPAP										

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