

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
MT9M021IA3XTM-DPBR		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	HiSPi™ Parallel	Mono	IBGA-63
MT9M021IA3XTMZ-DPBR		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	HiSPi™ Parallel	Mono	IBGA-63
MT9M021IA3XTMZ-DRBR		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	HiSPi™ Parallel	Mono	IBGA-63
MT9M021IA3XTMZ-TPBR		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	HiSPi™ Parallel	Mono	IBGA-63
MT9M031I12STC-DPBR		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	Parallel	RGB	ILCC-48
MT9M031I12STC-DPBR1		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	Parallel	RGB	ILCC-48
MT9M031I12STC-DRBR		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	Parallel	RGB	ILCC-48
MT9M031I12STM-DPBR		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	Parallel	Mono	ILCC-48
MT9M031I12STM-DRBR		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	Parallel	Mono	ILCC-48
MT9M031I12STM-DRBR1		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	1.2	60	1/3 inch	Global Shutter	3.75 x 3.75	Parallel	Mono	ILCC-48

For more information please contact your local sales support at www.onsemi.com.

Created on: 2/15/2021