

## Product Overview

### MT9V128: CMOS Image Sensor System-on-Chip, VGA, 1/4"

For complete documentation, see the data sheet.

ON Semiconductor's focus on pixel performance excellence enables the built-in advantages of having a high quality image sensor at the core of this SOC (System-on-Chip). ON Semiconductor's SOCs provide a variety of camera functions including auto focus, auto white balance, and auto exposure. SOC is a cost-effective, compact, one-chip solution providing exceptional image quality and ease of integration which can lower overall system costs and speed time to market.

### Applications

- Automotive

| Part Electrical Specifications |   |        |      |            |                  |                |                    |                 |                  |       |              |
|--------------------------------|---|--------|------|------------|------------------|----------------|--------------------|-----------------|------------------|-------|--------------|
| Product                        | Compliance  | Status | Type | Megapixels | Frame Rate (fps) | Optical Format | Shutter Type       | Pixel Size (µm) | Output Interface | Color | Package Type |
| MT9V128IA3XTC-DP               | AEC Qualified<br>PPAP Capable<br>Pb-free<br>Halide free | Active | CMOS | VGA        | 60               | 1/4 inch       | Electronic Rolling | 5.6 x 5.6       | -                | RGB   | IBGA-63      |
| MT9V128IA3XTC-DP1              | AEC Qualified<br>PPAP Capable<br>Pb-free<br>Halide free | Active | CMOS | VGA        | 60               | 1/4 inch       | Electronic Rolling | 5.6 x 5.6       | -                | RGB   | IBGA-63      |
| MT9V128IA3XTC-DR               | AEC Qualified<br>PPAP Capable<br>Pb-free<br>Halide free | Active | CMOS | VGA        | 60               | 1/4 inch       | Electronic Rolling | 5.6 x 5.6       | -                | RGB   | IBGA-63      |
| MT9V128IA3XTC-DR1              | AEC Qualified<br>PPAP Capable<br>Pb-free<br>Halide free | Active | CMOS | VGA        | 60               | 1/4 inch       | Electronic Rolling | 5.6 x 5.6       | -                | RGB   | IBGA-63      |
| MT9V128IA3XTC-TP               | AEC Qualified<br>PPAP Capable<br>Pb-free<br>Halide free | Active | CMOS | VGA        | 60               | 1/4 inch       | Electronic Rolling | 5.6 x 5.6       | -                | RGB   | IBGA-63      |
| MT9V128IA3XTC-TR               | AEC Qualified<br>PPAP Capable<br>Pb-free<br>Halide free | Active | CMOS | VGA        | 60               | 1/4 inch       | Electronic Rolling | 5.6 x 5.6       | -                | RGB   | IBGA-63      |

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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