

CCD Linear Image Sensor

CCD (Charge Coupled Device)

## TCD1256GAG

2500-elements, embedded electronic shutter function, for barcode scanner.



The TCD1256GAG is a high sensitive and low dark current 2500-elements linear image sensor. This device consists of sensitivity CCD chip. The TCD1256GAG has electronic shutter function (ICG). Electronic shutter function can keep always output voltage constant that vary with intensity of lights.

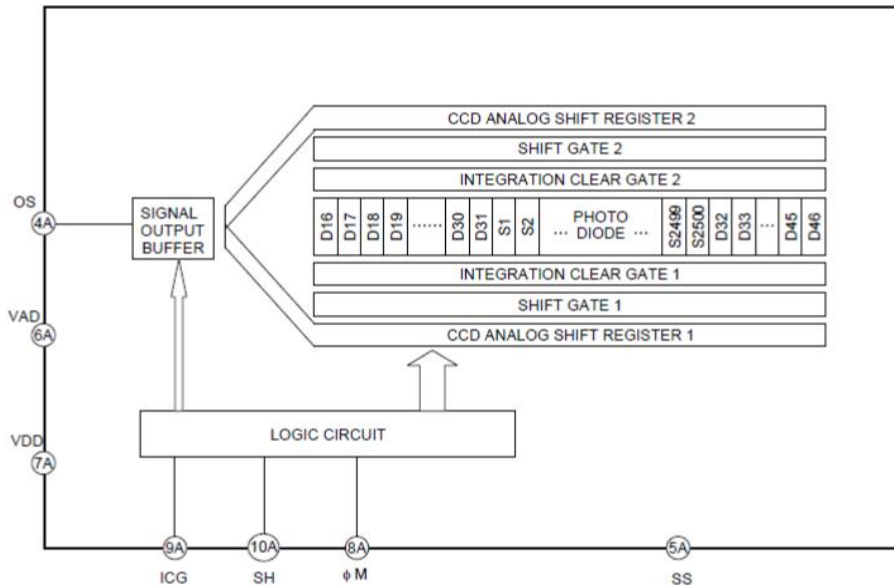
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### ■ Features

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- ▶ Number of Image Sensing Elements: 2500
- ▶ Image Sensing Element Size: 5.25 $\mu$ m  $\times$  64 $\mu$ m
- ▶ Photo Sensing Region: High sensitive and low dark current pn photodiode
- ▶ Internal Circuit: CCD Drive Circuit
- ▶ Power Supply: Only 3.0V Drive (Min)
- ▶ Function: Electronic Shutter, Sample and Hold Circuit
- ▶ Package: 26 pin WCSP

## ■ Circuit Diagram



» For further information about Toshiba Sensors, please visit  
<http://toshiba.semicon-storage.com/ap-en/product/sensor/linear-sensor.html>

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