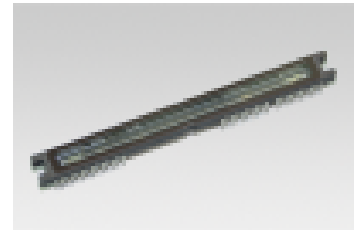


CCD Linear Image Sensor

CCD (Charge Coupled Device)

## TCD2712DG

7500 pixels × 3 line CCD color image sensor. The sensor is designed for color scanner.



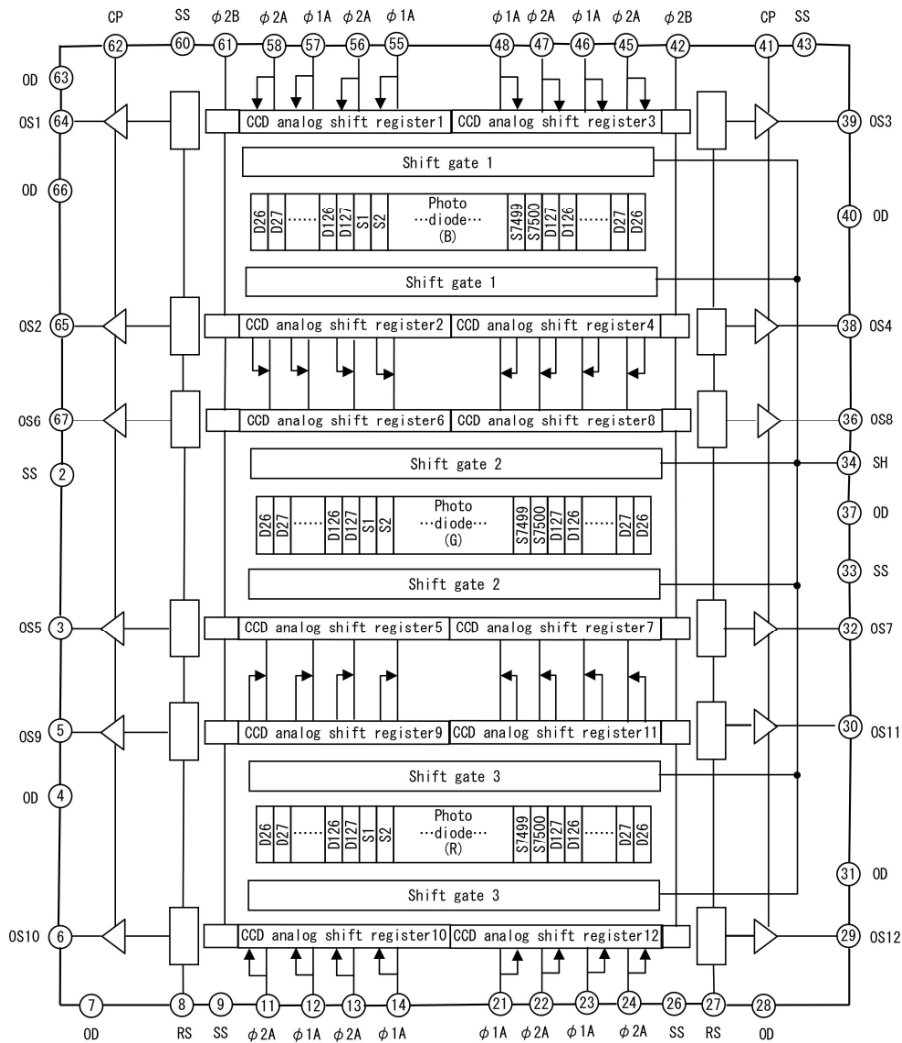
The TCD2712DG is a high sensitive and low dark current 7500 pixels × 3 line CCD color image sensor. The sensor is designed for color scanner.

The device contains a row of 7500 pixels × 3 line photodiodes which provide a 24 lines/mm across a A3 size paper. The device is operated by 5 V pulse, and 10 V power supply.

### ■ Features

- ▶ Number of image sensing pixels : 22500 pixels (7500 pixels × 3 line)
- ▶ Image sensing pixels size: 9.325 μm by 9.325 μm on 9.325 μm center
- ▶ Photo sensing region: High sensitive pn photodiode
- ▶ Clock: 2 phase (5 V)
- ▶ Distance between photodiode array
  - : Pixel R to pixel G: 37.3 μm (4 lines)
  - : Pixel G to pixel B: 37.3 μm (4 lines)
- ▶ Internal circuit: Clamp circuit
- ▶ Package: 68 pin Cerdip
- ▶ Color filter: Red, Green, Blue

## ■ Circuit Diagram



» For further information about Toshiba Sensors, please visit

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