

# The Avago Advantage



Applications Solutions

## Avago Technologies Solutions for **Digital Camera Applications**



Your Imagination, Our Innovation  
*Sense • Illuminate • Connect*

## Avago Technologies Solutions for **Digital Camera Applications**

Avago Technologies proximity sensors, infrared devices, motion control solutions, and LEDs enable advanced designs for rapidly evolving digital camera applications.



### Auto-Focus & Zoom Lens Motor Control

Avago Technologies offers motor control solutions that are ideal for the small motors and packaging in digital cameras. Avago offers the world's smallest encoder and very low power optocouplers that are ideal for these applications.

#### **Featured Products**

- Low Power Optocouplers
- Miniature Encoders

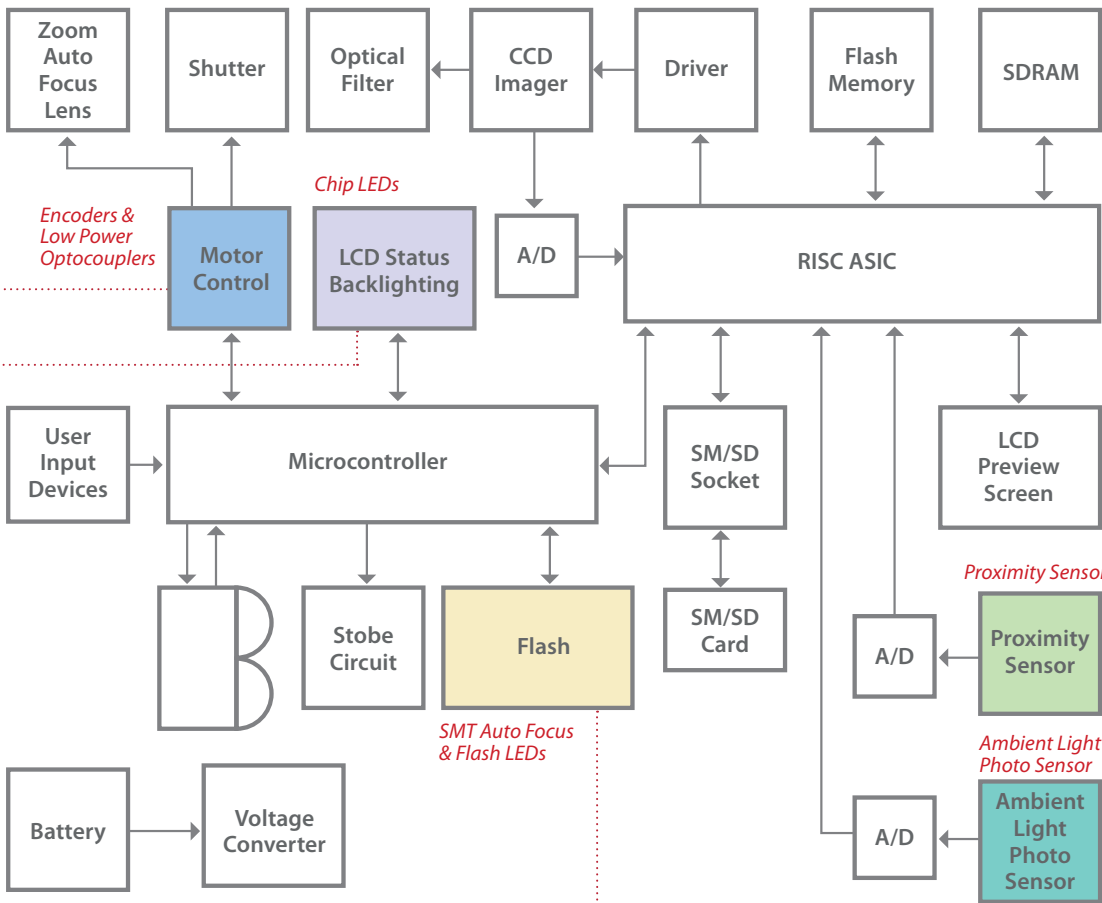


### ChipLEDs for LCD Status Backlighting & Status Indicators

Avago Technologies offers an extensive range of high quality chipLEDs which are small in size, highly efficient and low power consumption; to meet demands for virtually any surface mount lighting requirement.

#### **Featured Products**

- Surface-mount ChipLEDs – 0603 (1.6 x 0.8mm), blue & green, 0805 (2.0 x 1.2 mm), 1206 (3.2 x 1.6mm), right angle, reverse mount, multi-color, bi-color surface mount chipLEDs.



### Auto Focus Auxiliary Flash LEDs

Avago offers SMT (Surface Mount Technology) dome lamps which use an untinted, non-diffused lens to provide a high luminous intensity within a narrow radiation pattern.

#### Featured Products

- Green Auto Focus Auxiliary Flash LED
- Orange Auto Focus Auxiliary Flash LED
- Orange Auto Focus Auxiliary Flash LED
- Orange Miniature Auto Focus Auxiliary Flash LED



### Ambient Light Photo Sensors

The APDS-930x is a low-voltage digital ambient light photo sensor that converts light intensity to digital signal output capable of direct I2C interface. The sensor comes in a miniature chipLED lead free surface mount package whose spectral response is close to the CIE standard photopic observer. It is ideal for applications in which the measurement of ambient light is used to control display backlighting.

#### Featured Products

- Miniature surface mount ambient light photo sensors



### Proximity Sensors

Avago Technologies offers a broad product portfolio of proximity sensors to meet diversified applications. Highly integrated ambient light sensor and proximity sensor solutions are also available. The proprietary metal shielding package design used by Avago reduces cross talk, and these devices come in compact packages which help to save board space.

#### Featured Products

- Integrated ambient light and proximity sensor
- Integrated proximity sensor
- Photointerrupters



# Your Imagination. Our Innovation



Avago Technologies is a leading designer, developer and global supplier of a broad range of analog, mixed signal and optoelectronics components and subsystems with a focus in III-V compound semiconductor design and processing. Backed by an extensive portfolio of intellectual property, Avago products serve three primary target markets: wireless communications, wired infrastructure, and industrial and other. Avago has a global employee presence and heritage of technical innovation dating back 50 years to its Hewlett-Packard roots.

## Avago products serve three diverse end markets

**Wireless Communications** serving the smartphone/handset and Base Station infrastructure markets with leading-edge products that include:

- Power Amplifiers
- Front End Modules
- Film Bulk Acoustic Resonator (FBAR) Filters
- GPS/GLONASS LNAs
- Optical Finger Navigation
- LED Backlighting, Screen Illumination
- Ambient Light and Proximity Sensors

**Wired Infrastructure** for switches/routers, data centers, supercomputers and storage/servers with products that include:

- 168Gb Parallel Optic Arrays
- 28Gb SerDes ASICs in 28nm
- Storage Fibre Channel Transceivers
- QSFP+/SFP+ Ethernet Transceivers

**Industrial and Other** for alternative energy power generation, electronic sign and signals, automated manufacturing, automotive lighting, GPS/GLONASS navigation, motor inverter system, battery charging and management, infotainment systems and vehicle safety systems with products that include:

- Inverters
- Isolation and Digital Optocouplers
- Motion Control Optical & Magnetic Encoders
- Polymer Optical Fiber
- Indicator and Display LEDs



Contact us for your design needs at: [www.avagotech.com](http://www.avagotech.com)

Avago, Avago Technologies, and the A logo are trademarks of Avago Technologies in the United States and other countries. Data subject to change. Copyright © 2013 Avago Technologies  
AV00-0210EN 9/23/13