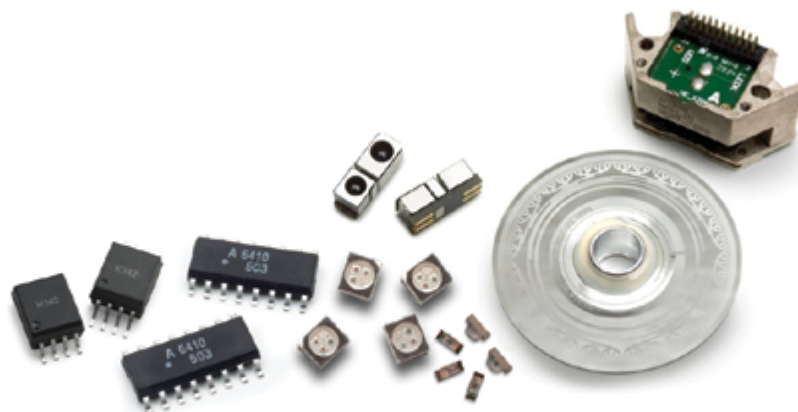


# The Avago Advantage



Applications Solutions

## Avago Technologies Solutions for **Printers & Imaging Devices**



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

## Avago Technologies Solutions for **Printers & Imaging Devices**

Avago Technologies has products suitable for many elements of a printer or imaging system including paper level detection/edge optical proximity sensors, motor gate drivers, motion control encoders, display LEDs, and optical navigation sensors.



### **Optical Finger Navigation**

Avago Technologies' optical finger navigation sensors provide an ultra-thin optical navigation input solution suitable for battery- and power-sensitive applications such as mobile phones. There are no moving parts, which results in high reliability and less maintenance for the end user. In addition, precision optical alignment is not required, helping to facilitate high-volume assembly.

#### **Featured Products**

- Optical finger navigation sensor
- Lens for ADBS-A320
- Optical finger navigation sensor with integrated lens



### **PLCC SMT LEDs**

This family of SMT LEDs is available in the industry standard PLCC-2 and PLCC-4 package. These SMT LEDs have high reliability performance and are designed to work under a wide range of environmental conditions. This high reliability feature makes them ideally suited to be used under harsh interior automotive as well as interior signs application conditions.

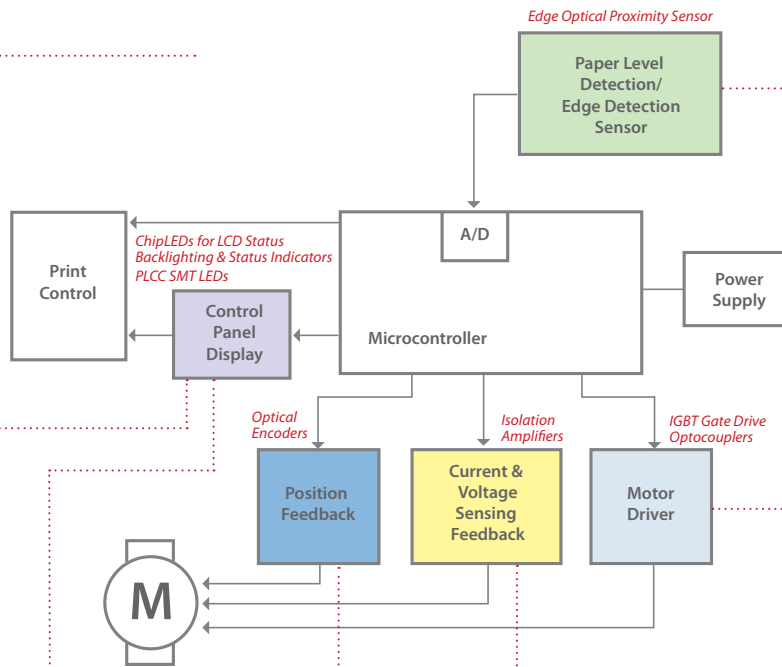
#### **Featured Products**

##### **PLCC-2 SMT LEDs**

- Mono-color Series LEDs

##### **PLCC-4 SMT LEDs**

- Multi-color Series LEDs
- Mono-color Series LEDs



## Edge Optical Proximity Sensors

Avago reflective sensors work well for a paper edge/proximity sensor with excellent optical isolation resulting in near zero optical crosstalk, high efficiency emitter and high sensitivity photodiode for high signal-to-noise ratio.

### Featured Products

- Analog Output Reflective Sensor



## 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.



## Optical Encoders

Avago offers a broad range of optical encoders including absolute, incremental and magnetic versions featuring

- Single and multi-turn versions
- A variety of resolutions
- Transmissive and reflective versions

### Featured Products

- Reflective optical encoders
- Multi-turn encoders
- Single-turn absolute encoders
- Incremental encoders and code wheels



## Isolation Amplifiers

Avago isolation amplifier optocouplers provide high precision, stability, and common mode rejection for current and voltage sensing applications without compromising high noise or magnetic field immunity.

### Featured Products

- Miniature Isolation Amplifiers
- Optically Isolated Sigma-Delta Modulator (External clock) with Digital Output



## IGBT Gate Drivers

Avago gate drive optocouplers provide isolated high current gate driver for IGBTs and MOSFETs. These gate drive optocouplers come in wide range of output current from 0.4A to 5A, and selected parts with integrated features such as Active Miller Clamp, under voltage lockout, fault status feedback and de-saturation detection.

### Featured Products

- (Active Miller Clamp, rail-to-rail output voltage) Isolated Gate Driver
- (Fault status feedback, automatic fault reset) Isolated Gate Driver



# 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)

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