

The Avago Advantage



Applications Solutions

Avago Technologies Solutions for **Smart Phone Applications**



Your Imagination, Our Innovation
Sense • Illuminate • Connect

Avago Technologies Solutions for Smart Phone Applications

Avago Technologies provides cutting-edge features and capabilities enabling the world's most prominent handset manufacturers to enrich the smart phone user experience. Avago products not only have a direct impact on the human interface and user experience, but are also enabling the new small size integrated smart phone handsets.

Power Amplifiers, FBAR Duplexers, and GPS Front-End Modules for RF Front-End



Avago CoolPAM™ technology power amplifier modules combine excellent efficiency and linearity to increase battery life and talk time. Avago FBAR duplexers provide excellent insertion loss and isolation while increasing talk time, while FEMs (Front End Modules) provide improved performance in a smaller package size by combining both PA and Duplexer into one.

In addition, GPS amplifier/front-end modules make it easy to integrate GPS capability into handsets.

Featured Products

- Bands 1, 2, 4, 5 and 8 Multimode (UMTS/CDMA/LTE) power amplifier modules, 3x3mm package with integrated coupler
- UMTS Data Card power amplifier modules, 3x3mm package with integrated coupler
- Dual-band CDMA power amplifier modules, 3x5mm
- CDMA Cellular and PCS power amplifier modules, 3x3mm
- CDMA Cellular and PCS FEMs (Front End Modules), 4x7mm
- GSM/EDGE power amplifier module
- CDMA, UMTS, LTE duplexers
- CDMA, UMTS, LTE, WiFi, WiMAX point filters
- CDMA PCS/Cellular FBAR Quadplexer and Quintplexer (with GPS filter)
- GPS low-noise amplifier/front-end module

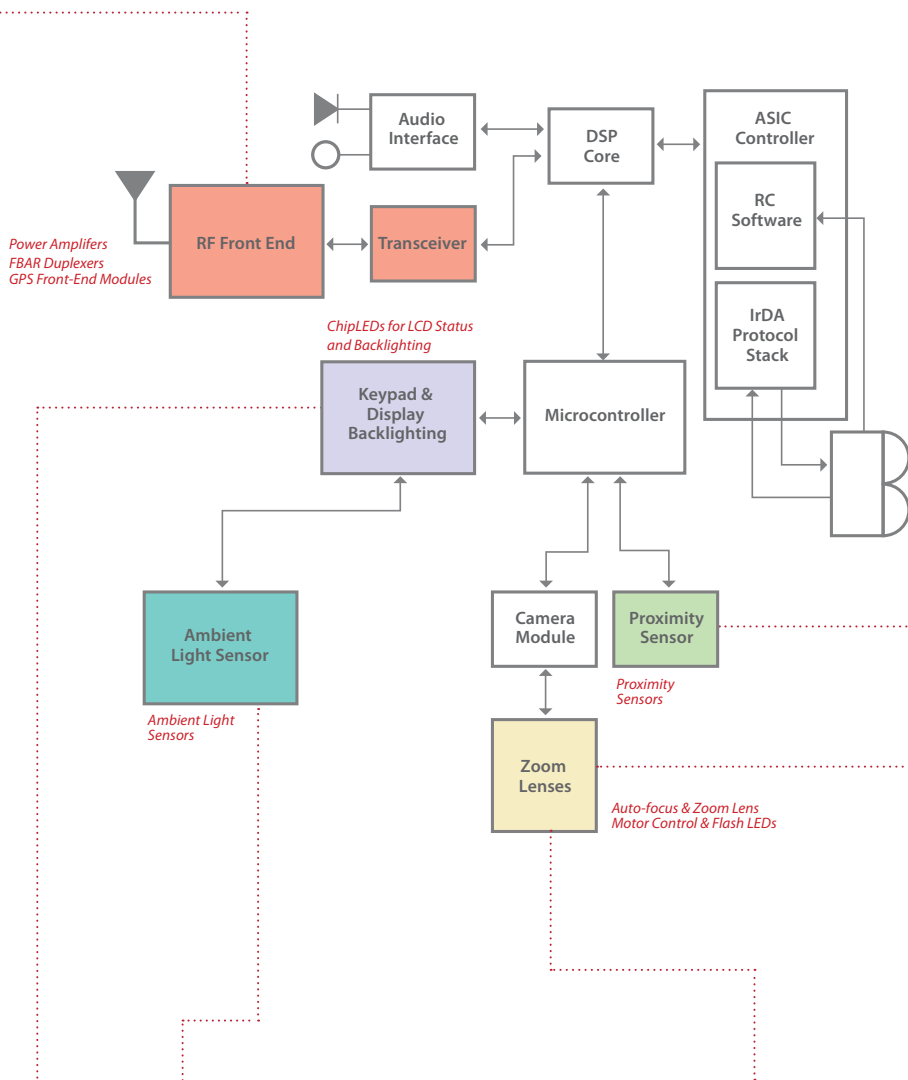
ChipLEDs for LCD Status and Backlighting



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.



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



Auto-Focus and Zoom Lens Motor Control

Avago Technologies offers the world's smallest encoders that are ideal for the small motors in smart phone handsets.

Featured Products

- Miniature Encoders



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 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



Your Imagination. Our Innovation

Avago Technologies is a leading designer, developer and global supplier of a broad range of analog, digital, 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 four primary target markets: wireless communications, wired infrastructure, enterprise storage, and industrial and other. Avago has a global employee presence and rich heritage of technical innovation spanning over six decades.

Avago has strong market positions across a broad range of market segments with highly differentiated products that include:

- Film Bulk Acoustic Resonator (FBAR) Filters
- RF Front End Modules
- Parallel Optics Transceivers
- High Speed SerDes ASIC
- HDD Read Channel & PreAmps
- RAID and SAS I/O Controllers
- PCIe Switches
- Optocouplers
- Motion Encoders
- Industrial Fiber Solutions
- LED Display & Signage Solutions



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