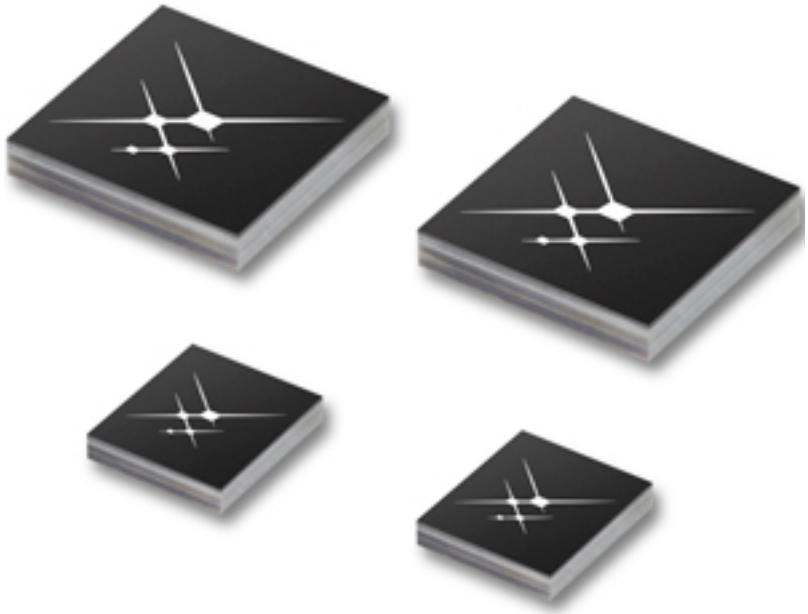
Backlight drivers designed for smartphones and tablets



Skyworks Solutions introduced several new backlight LED drivers supporting next-generation smartphones and tablets. Skyworks' family of highly efficient, integrated, multi-channel products are tailored to support display panels ranging in size from 4 to 12 inches, significantly enhancing image quality and resolution while maximizing battery life. The multi-channel architecture and highly efficient, DC/DC boost-technology enable LED backlight driver efficiencies exceeding 90 percent and facilitate superior dimming performance.

According to IHS iSuppli, shipments of smartphones with screens 5 inches or larger will more than double this year to over 60 million units in 2013 as consumers are increasingly attracted to larger screen sizes. Currently, large-screen phones represent approximately 7 percent of the overall smartphone market.

Through its power management portfolio which includes LED flash and backlight drivers, discrete voltage regulators, PMICs and battery management devices, Skyworks is increasing its dollar content per platform in some of the fastest growing market segments. With customers placing greater value on total solutions, Skyworks is creating highly integrated solutions and shortening development cycles for next-generation products.

About Skyworks Latest LED Driver Solutions

· SKY81452 [1] is a high-efficiency, six-channel, white light emitting diode (WLED) backlight driver with touch panel bias for tablet display applications.

· SKY81453 [2] is a high-efficiency, six-channel, WLED backlight driver for tablet display applications.

· SKY82894 [3] is a high-efficiency, three-channel, WLED backlight driver for large screen smartphone display applications.

· SKY82895 [4] is a high-efficiency, two-channel, WLED backlight driver for large screen smartphone display applications.

wwskyworksinc.com [5]

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