Atmel maXTouch mXT224E Powers Touchscreen for Samsung Galaxy S II Smartphone

Atmel Corporation announced Samsung has selected the Atmel maXTouch mXT224E controller to power its next-generation Galaxy S II touchscreen. The mXT224E, a device in the new maXTouch E-series, offers advanced noise rejection and suppression to enable thinner touchscreen stacks, such as “on-cell” where a touch sensor is patterned directly on the color filter of the display. The support of “on-cell” and other thin touchscreen constructions enable manufacturers—such as Samsung with the Galaxy S II smartphone—to take cutting-edge designs faster-to-market so consumers can enjoy sleeker, thinner, brighter touchscreen handsets.

The Samsung Galaxy S II smartphone runs on the AndroidTM OS version 2.3, also known as Gingerbread, and includes a 4.3-inch super AMOLED with a capacitive touchscreen powered by the Atmel maXTouch 224E controller. The smartphone includes up to 32GB of internal memory, an 8-megapixel front- and rear-facing camera, a GPS, and Wi-Fi connection with HSDPA. The Galaxy S2 includes a TouchWiz 4.0 interface with music, gaming and e-reading hubs.

With the new Atmel maXTouch 224E controller, Samsung Galaxy S II users can experience unlimited touches, faster response times, higher accuracy, lower power, and superior sensitivity. In addition, the E-series architecture noise immunity provides a flawless touch experience, even with unqualified after-market chargers and in the presence of other ‘noise’ (such as WiFi and microwave signals).

“Samsung continues to develop some of the most innovative touch smartphones on the market,” said Helen Francis, senior manager of touch marketing, Atmel Corporation. “Atmel is thrilled to be powering Samsung’s next-generation smartphone touchscreens with our enhanced maXTouch solutions. Samsung’s confidence in Atmel’s touch technology is further evidence that we continue to lead the market with ideal solutions for the most innovative touchscreen devices.”

For more information please visit, www.atmel.com/maxtouch-e-series [1].

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[1] http://www.atmel.com/maxtouch-e-series