



Synaptics Introduces Highest Performing ClearPad Touch Solutions with SignalClarity Technology

Synaptics Design Studio 4 offers mobile OEMs a comprehensive touch solution that Enables flexible customer engagements

SANTA CLARA, Calif., Jan. 3, 2012 /PRNewswire/ -- Synaptics Inc. (NASDAQ: SYNA), a leading developer of human interface solutions for mobile computing, communications and entertainment devices, today announced that Design Studio™4 (DS4), Synaptics' ClearPad™ development solution embedded with patented SignalClarity™ Technology, is available for customer engagements. Synaptics DS4 offers the most advanced and comprehensive touch system in the market and accelerates the ClearPad development cycle by empowering customers to evaluate the performance, optimize their touch experience, and efficiently implement their custom ClearPad™ sensor solution. SignalClarity Technology drives improved tracking accuracy, finger separation, and environmental and electrical noise robustness, for an unmatched user experience. Synaptics combines industry-leading ASICs with DS4 and SignalClarity Technology to offer a complete capacitive touch sensor solution.

SignalClarity Technology provides a dramatic improvement in the signal-to-noise ratio for greatly enhanced touch detection and noise immunity. The best-in-class performance, in the presence of noise, enables Mobile OEMs to support inexpensive chargers, work with multiple display types, and enable system designers to optimize the touch experience to deliver their product to market quickly. SignalClarity Technology works with multiple display configurations including discrete sensors, sensor-on-lens, on-cell, and in-cell stackup solutions.

Synaptics has leveraged its industry-leading system-level engineering expertise, gained by delivering more than one billion devices to the market, to develop the industry's most complete touch solution with advanced tuning capabilities including performance in the presence of noise, production test support, the industry's first wireless debug support, diagnostics and sensor tools. With DS4, customers are enabled with a flexible engagement model and can leverage Synaptics' global technical support team to help design a custom ClearPad solution that differentiates their product in the marketplace.

Synaptics DS4 includes the addition of powerful built-in performance diagnostic and test capabilities, which were developed by leveraging the company's highly successful history as the industry's first ClearPad touch solution provider. The rich array of diagnostic views and performance evaluation tools help provide immediate feedback on potential design configurations resulting in faster time to market and greater flexibility in the development of custom ClearPad solutions. The built-in test capabilities provide custom-generated production test limits and customer accessible test logs, which further expand Synaptics' best-in-class mass production capabilities.

"The addition of SignalClarity Technology and DS4 are great examples of our ability to offer complete capacitive touch solutions to our customers," said Kevin Barber, Senior Vice President and General Manager of Synaptics. "Synaptics DS4 allows our customers to efficiently integrate our industry-leading combination of ClearPad touch sensors, firmware and software to quickly deliver leading edge solutions to the marketplace."

For up-to-the-minute Synaptics news, follow [@SynaCorp](#) on Twitter. For more information on Synaptics' products and solutions, please visit www.synaptics.com.

About Synaptics

Synaptics (NASDAQ: SYNA) is a leading developer of human interface solutions for the mobile computing, communications, and entertainment industries. The company creates interface solutions for a variety of devices including notebook PCs, PC peripherals, tablets, and mobile phones. The TouchPad™ Synaptics' flagship product, is integrated into a majority of today's notebook computers. Consumer electronics and computing manufacturers use Synaptics' solutions to enrich the interaction between humans and intelligent devices through improved usability, functionality, and industrial design. The company is headquartered in Santa Clara, California. www.synaptics.com.

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