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Synaptics Now Sampling Two New ClearView OLED Display Driver ICs

OLED DDICs Support Extra Long 20:9 Infinity Displays, Notches and Rounded Corners

SAN JOSE, Calif., Dec. 12, 2017 (GLOBE NEWSWIRE) -- Synaptics Incorporated (NASDAQ:[SYNA](#)), the leading developer of human interface solutions, today announced expansion of its OLED display driver IC (DDIC) portfolio with two new solutions, the R66455 and R66451. The feature-rich Synaptics® ClearView™ R66455 (FHD+) and R66451 (WQHD+) DDICs leverage the company's best-in-class imaging processing and new state-of-the-art technologies designed to enhance OLED displays. Key features of both solutions include support for extra-long (XL) displays up to 20:9, and processing for rounded corners and notch cut-outs intended for cameras and other sensors.

"Synaptics is a trusted technology leader with deep relationships at global display manufacturers, and we are pleased to announce over ten new OLED DDIC design-ins with key panel makers in China and Japan," said Kevin Barber, senior vice president and general manager, Mobile Division, Synaptics. "With our cutting-edge support in both touch controller and display driver technologies for OLED panels, Synaptics is uniquely positioned to win as display manufacturers ramp to support the broad OEM demand."

The feature rich and low power ClearView R66455 and R66451 OLED DDICs include Synaptics' latest OLED image processing technology including flexible gamma control, support for high-dynamic range (HDR), and the company's unique sub-pixel rendering (SPR) technology. OLED performance is enhanced by Synaptics' smooth dimming technology, round corner processing, and advanced DeMura compensation. The R66451 is available in either chip-on-film (COF) packaging for flexible/rigid displays, or chip-on-plastic (COP) for flexible displays. R66455 is available in COF packaging for flexible/rigid displays.

Key Features of R66455 & R66451 OLED DDICs

- | R66455 (FHD+); R66451 (WQHD+)
- | Support for XL infinity displays up to 20:9
- | Support for rounded corners and notch processing
- | Unique high brightness mode technology (smooth transition with no flicker)
- | Compensation technologies: DeMura and IR drop
- | Multiple sub-pixel rendering (SPR) technologies
- | Chip-on-Film (COF) and Chip-on-Plastic (COP) packaging

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Synaptics' new ClearView OLED DDICs are sampling today with full production expected in the first-half of 2018.

About Synaptics:

Synaptics is the pioneer and leader of the human interface revolution, bringing innovative and intuitive user experiences to intelligent devices. Synaptics' broad portfolio of touch, display, biometrics, voice, audio, and multimedia products is built on the company's rich R&D, extensive IP and dependable supply chain capabilities. With solutions designed for mobile, PC, smart home, and automotive industries, Synaptics combines ease of use, functionality and aesthetics to enable products that help make our digital lives more productive, secure and enjoyable. (NASDAQ:[SYNA](#)) www.synaptics.com.

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