

The Tianma Group introduces true circular 5.0-inch LCD for use in smart home devices

Chino, CA, May 23, 2018 – [The Tianma Group](#) has developed a true circular 5.0-inch LCD for smart home and high-end medical applications. The full active display features resolution and contrast ratio performance that rivals that of OLED displays. Tianma will demonstrate the true circular 5.0-inch LCD at [Display Week 2018](#).

Tianma developed this true round LCD prototype as the ultimate expression of the freeform display design style, featuring a super-narrow 3mm concentric border and ultra-thin construction (2.1mm).

For backlighting, the module utilizes mini-LED technology for multi-zone local dimming, achieving a dynamic high contrast ratio of more than 1,000,000:1. The high contrast ratio and high resolution of 1080x1080 make this LCD comparable in performance to OLED technology.

The true circular display uses GFF (glass, film, film) capacitive touch, with haptic feedback technology to enhance the unit's functionality and heighten the user experience.

Tianma expects this prototype to be ready for market by the end of 2019.

5.0" Circular / Thin & Narrow Border / Touch Feedback / Mini LED

Outline Dimension (mm)	133.01×133.01
Module Thickness (mm)	2.1
PANEL Border (mm)	3
Active Area (mm)	127.01×127.01
Resolution (pixel)	1080×1080
Contrast Ratio (local dimming)	1,000,000:1 (max)
Viewing Angle (U/D/L/R)	85/85/85/85
BLU Type	Mini LED
Touch Type	GFF + Touch Feedback

The new true circular 5.0-inch LCD technology, along with The Tianma Group's expansive family of displays and technologies, will be showcased at [Display Week 2018](#), May 22 to 24 in Los Angeles, California, USA, in Booth 1005. Tianma's online press kit can be found at: <http://sid.vporoom.com/Tianma>

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About Tianma America, Inc.

Tianma America (TMA) is the leading provider of small- to medium-size display solutions to the Americas market utilizing advanced technologies and manufacturing resources of the Tianma Group Companies, which includes Tianma Micro-electronics (Shenzhen and Shanghai) and Tianma Japan, Ltd. (formerly known as NLT Technologies Ltd.), as well as manufacturing locations in Chengdu, Wuhan, Xiamen, Shenzhen and Shanghai China. Tianma America technologies can be found in smartphones, tablet PCs, industrial and medical instrumentation, wearables, home automation, household appliances, office equipment, and automotive and rear seat entertainment devices. Additional applications include test and measurement systems, instrumentation equipment, point-of-sale and ATM systems, gaming systems, global positioning systems, radio-frequency identification devices and barcode scanners.

Tianma America's technology portfolio comprises TFT, LTPS, Oxide-TFT, AM-OLED, flexible, transparent, 3D, PCAP and In-cell/On-cell integrated touch. With a network of best-in-class distributors and value-added partners, Tianma America provides complete display module solutions for a broad base of customers and applications.

The content in this press release, including, but not limited to, product prices and specifications, is based on the information as of the date indicated on the document, but may be subject to change without prior notice.

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Additional assets available online:  [Photos \(2\)](#)

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