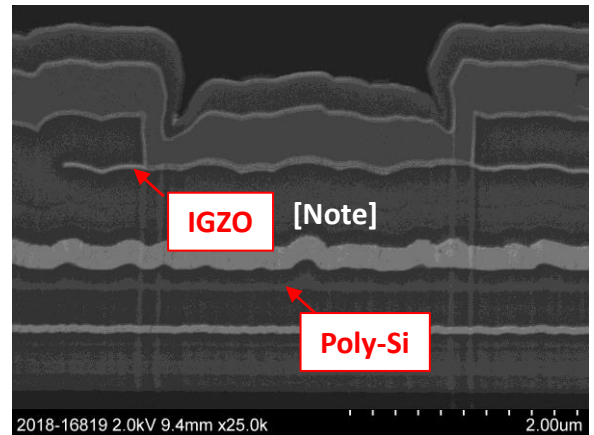
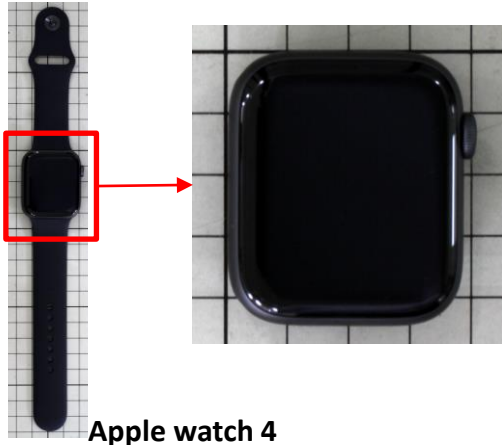


LTPO TFT Panel of Apple Watch 4 structure analysis

December 2018. LTEC Corporation released a detailed structure analysis report of the LTPO TFT (Low-temperature Polycrystalline Oxide) panel analysis report found within the Apple Watch 4.



SEM cross section at the pixel area

Note: **IGZO:** Amorphous semiconductor composed of Indium, Gallium, Zinc and Oxygen

Product outline

- Identified as LG panel(estimation).
- This product uses LTPO TFT panel combining Poly-Si (excellent charge mobility) and IGZO (low power consumption)
- LPTS transistor is also built in partially.

Report content

Detailed structure analysis of the Poly-Si TFT and the IGZO TFT, and the circuit configuration by combining both Poly-Si TFT and IGZO TFT are explained in this report. This 71-page report includes plain view analysis, SEM cross-section analysis (Poly-Si TFT, IGZO TFT and contact), SEM-EDX material and pixel circuit analysis.

Note: The report price decreases over time. Contact info@ltecusa.com for current price.

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