

Oral Presentation

[LCT7/FLX5]Flexible LCDs

Chair: Shinichiro Oka (Japan Display Inc.)

Co-Chair: Toshimasa Eguchi (Sumitomo Bakelite Co., Ltd.)

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2:30 PM - 2:50 PM

[LCT7_FLX5-4L]New Approach to Process Simplification for Flexible TFT-LCD

*Cheng-He Ruan¹, Chih-Yuan Hou¹, Chia-Jen Li¹, Shih-Min Chen¹, Min-Zi Hong¹ (1. AU Opttronics Corporation (Taiwan))

Keywords:AOC, PDLC, Low temperature process, PI alignment free

A new approach is proposed to fabricate flexible TFT-LCD with minimal process steps. Single substrate and without conventional cell process is obtained by introducing AOC and developed PDLC coating on the top of array without PI alignment process. The 4.99" 294ppi AOC prototype LCD on a single substrate was fabricated.