

Poster Presentation

## [FMCp1]Micro/Mini LEDs

Special Topics of Interest on Micro/Mini LEDs

Thu. Nov 28, 2019 10:40 AM - 1:10 PM Main Hall (1F)

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10:40 AM - 1:10 PM

### [FMCp1-3L]Design of Mini-LED Backlight Using Reflective Mirror Dots with High Luminance Uniformity for Mobile LCDs

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Keywords:Liquid crystal display, mini-LED, backlight, local dimming, high luminance uniformity

A new mini-LED local dimming backlight with reflective dots is proposed for high uniformity, high contrast, and low power consumption in small LCDs. The proposed backlight, comprising a small number of mini-LEDs, was verified as having high luminance uniformity due to the optimized backlight thickness and light distribution of mini-LEDs.