

Oral Presentation

[INP1]In-Cell Touch Panels and Fingerprint Sensors

Special Topics of Interest on Automotive Displays

Chair: Noemie Ballot (ISORG)

Co-Chair: Yuji Suzuki (Japan Display Inc.)

Wed. Nov 27, 2019 1:40 PM - 2:56 PM Room 206 (2F)

1:41 PM - 2:06 PM

[INP1-1(Invited)]Evaluation of the Integrated In-cell Electromagnetic Resonance Sensor and Capacitive Touch Sensor

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Keywords:Electromagnetic resonance, In-cell touch sensor, LTPS, reflective LCD

We developed in-cell EMR reflective LCD panel, which shares the sensor pattern with capacitive touch sensor, without additional sensor layer. This technology contributes many benefits for thin design and less weight of the panel compared with conventional EMR products. This paper shows our in-cell EMR and capacitive touch sensing performance.