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ABSTRACT OF THE DISCLOSURE

A semiconductor element suitable for use in the display region of a liquid crystal display or for use in the drive circuit region for driving the display region is comprised of: a first, a second, a third and a fourth electrodes; a pair of a first conducting type semiconductor layers separated from each other and connected to the second and the third electrodes, respectively; an intrinsic semiconductor layer connected to the pair of the first conducting type semiconductor layers; and a second conducting type semiconductor layer formed on the intrinsic semiconductor layer, wherein the first electrode is formed on the intrinsic semiconductor layer via an insulating film, and the fourth electrode is formed on the second conducting type semiconductor layer formed on the intrinsic semiconductor layer.

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