

ACTIVE MATRIX SUBSTRATE, LIQUID CRYSTAL DISPLAY DEVICE, AND
METHOD FOR MANUFACTURING ACTIVE MATRIX SUBSTRATE

ABSTRACT

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An active matrix substrate (100A) includes a TFT (20),
a scanning line (11) substantially parallel to a first
direction, a signal line (12) substantially parallel to a
second direction which is orthogonal to the first direction,
10 a first interlayer insulating layer (16) covering the TFT, a
lower layer electrode (17) provided on the first interlayer
insulating layer, a dielectric layer (18) provided on the
lower layer electrode, and an upper layer electrode (19)
overlapping at least a portion of the lower layer electrode
15 via the dielectric layer. A first contact hole (31)
includes a first aperture (16a) formed in the first
interlayer insulating layer and a second aperture (18a)
formed in the dielectric layer. A width of the first
aperture along one of the first direction and the second
20 direction is smaller than a width of the second aperture
along the one direction. A portion of the contour of the
second aperture is located inside the contour of the first
aperture, and the contour of the second aperture is not
rectangular. The area of the portion of the second aperture
25 not overlapping the first aperture is smaller than that in
an imaginary case where the contour of the second aperture
is rectangular.

Figure 1

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