

SINGLE SIDE TOUCH PANEL STRUCTURE AND MANUFACTURING METHOD THEREOF

ABSTRACT OF THE DISCLOSURE

5 A single side touch panel structure is provided, which includes a substrate, and a
mask layer, a first transparent conducting layer, an insulating layer, and a second
transparent conducting layer, wherein the mask layer, the first transparent conducting layer,
the insulating layer, and the second transparent conducting layer are from bottom to top
sequentially formed on the substrate. The first transparent conducting layer has a plurality
10 of the first patterns, and the second transparent conducting layer has a plurality of the
second patterns. The first patterns are arranged in series along a first direction. The second
patterns are arranged in series along a second direction that intersects the first direction at
an angle. The first and second patterns cross each other, and are separated from each other
by the insulating layer. Therefore, a plurality of capacitors are formed at the intersections
15 between the first and second patterns.

Figure 1