

4-Wire Resistive Touch Panel

4-Wire resistive touch panel uses the principal of voltage drop to detect the coordinate on the panel. The structure of 4-wire resistive touch panel consists of electrically conductive film as top layer, electrically conductive glass as bottom layer, and spacer dot between the two layers. During operation, a 5V electrical current is applied to the conductive film and conductive glass. When the user presses the touch panel with finger or stylus, voltage change occurs. This action triggers top conductive film to provide X (or Y) axis and bottom conductive glass to provide Y (or X) axis, thus report back the coordinate of the touch taken place.

