

5-Wire Resistive Touch Panel

5-Wire resistive touch panel constructs of electrically conductive film on top and electrically conductive glass at bottom, separated by spacer dot in between. Compare to 4-wire resistive, the 4 corners of the bottom conductive glass in a 5-wire resistive also have the function to detect electric current flow. During operation 5V electrical current is applied to the conductive film and conductive glass. When the user presses the touch panel with finger or stylus, top film and bottom glass will conduct to form electrical signal. The bottom conductive glass calculates XY coordinates with the position of the current flow and the distance among the four corners, thus calculates the position of the touch taken place.

