Introduction of Touch Panel

Touch Panel

FEATURES

• The film is situated on the top side, making input possible with a light touch
• Having a fingertip, stylus or pen, a touch on the key switch of the panel causes the upper and lower electrodes contact to each other, leading to the entry of the key information
• Film and glass combination structure resulting in high transitivity

DESCRIPTION

The touch panel is an input device employing a material of transparent electrodes formed on glass-film transparent board. Since the keyboard itself is transparent, the touch panel can be placed directly on top of a display device.

APPLICATION

1. Monitor
2. PDA
3. Control board
4. Data bank
5. Remote controller
6. Watch

STRUCTURE

A transparent electrode is formed uniformly over the entire effective surface on the film and glass of a touch panel (see Figure 1).

ANNOTATE

The touch panel has numerous push-button switches as keys arranged in a matrix (see Figure 2). To locate the X and Y coordinates, voltage VX taken from the Y electrode and voltage VY taken form the X electrode are converted into digital data and assigned coordinates (see Figure 3).

A block diagram of the configuration