Capsense Keyboard EL Technology

Capacitive sensing is a technology based on capacitive coupling which takes input as human body capacitance. Capacitive sensors are used in many devices applications. Capacitive sensors are preferred for various applications due to their versatility, reliability and robustness, low cost, ease of implementation.

Features:

1. Touch sensitivity up to 5mm through glass acrylic or overlay
2. Manual touch sense tuning is not required
3. 16 by 2 character LCD display interface
4. Serial communication: Serial data is output on four pin connector
5. Small size buttons with effective capsense
6. Small area covering more number of capsense buttons
7. Strong immunity to noise
8. Ultra low power consumption
9. Low cost
10. Dimensions:
11. In area of fourteen capsense buttons are enclosed

Function:

Serial data transmission, reception and display of data on LCD

Application:

Application areas in which Touch sense and serial communication are used