Abstract

The projected capacitive sensor is very significant technology for the touch screen in smartphones, tablets and computers. Touch is an integral part of the human experience. Capacitive sensing is a technology based on capacitive coupling which takes the capacitance produced by the human body as the input. The main advantages that capacitive sensing has over other detection approaches are that it can sense different kinds of materials (skin, plastic, metal, liquid), it is contactless and wear-free, it has the ability to sense up to a large distance with small sensor sizes, the PCB Sensor is low cost, and it is a low-power solution.

References

2. D. Wobschall, D. Lakshmanan, "Wireless Soil Moisture Sensor Based on Fringing
Variation in Capacitance with different Conditions of Sensor


Index Terms

Computer Science                           Wireless

Keywords

Capacitive sensor, Dielectric, capacitance, Equilibrium