

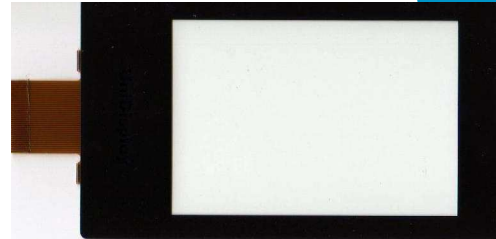
HY-LINE Technology Info

Projected Capacitive Touch Screen

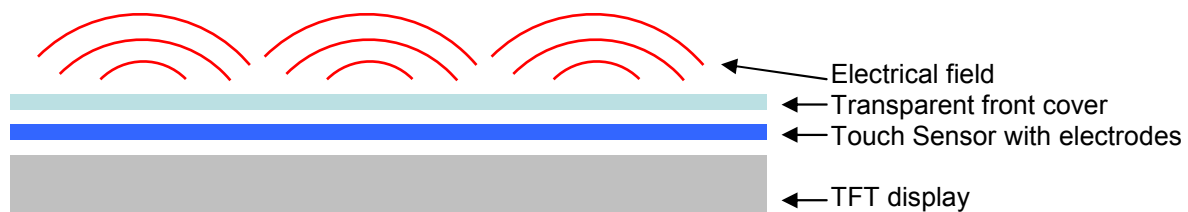
Key Features

- Thin - 0.55mm glass thickness
- High transparency - >90%
- Multi touch support, gesture recognition
- Abrasive-resistant surface*

* depending on housing finish



Function Principle



The electrodes on the touch sensor glass form a protruding electric field. If a finger approaches the field it will be weakened. This change is measured and interpreted by the electronics. Since there is no direct touch necessary this technology is ideally suitable for being assembled behind a cover glass.

Applications

- Access control
- Home automation
- Communication devices
- Art design
- Flush surface
- Medical

Interface

- Chip-On-Flex
- I²C bus
- 3.3V DC
- Size: from 3.5" to 7"W

Technology Classification

The new technology introduced in the mobile phone market first offers significant advantages over existing technologies

- Low ambient light reflection
- Cover sheet: Any size, material, colour
- Mounting behind front panel

A sophisticated assembly concept allows for low reflectivity and non-inclusion of dust particles.

Since the sensor is covered by a front cover sheet the robustness is defined by the cover sheet's material. It may be transparent plastics or glass. The size may be larger than the TFT's viewing area, and it is usually back printed to mask off the TFT's bezel. The cover sheet may be mounted water tight into the housing.