

Fig.1

**<Mounting Notes>**

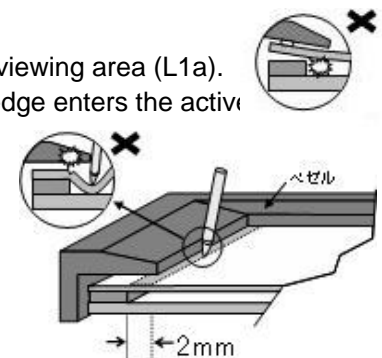
1. Bezel Edge

Bezel edge must be positioned in the area between the active area and viewing area (L1a). Otherwise the bezel may press the touch screen and cause input if the edge enters the active area. The area within 2mm (L1b) from the insulation area is structurally weak for the pressure, especially for pen use. The film may be forcibly bent and may cause deflection. This area must be protected by the bezel and input must be avoided.

If the length of L1a is more than 2mm, the bezel should cover more than 2mm from the insulation area (i.e. length of L1b should be more than 2mm).

If the length of L1a is less than 2mm, design the housing in a way that the bezel covers the L1a area as much as possible.

The area near the insulation area is structurally weak for the pressure, especially for pen use. The film may be forcibly bent and may cause deflection. This area must be protected by the bezel and input must be avoided.



2. Gap between the Bezel and Touch screen

A gap of approximately 0.5mm (L2) is needed between the bezel and the touch screen surface. It may cause unexpected input if the gap is too narrow

Fig.2

3. Cushion (Gasket)

If a cushion is used between the bezel and the touch screen surface, the cushion must be free enough to absorb the expansion and contraction difference between the bezel and the touch screen surface. If the cushion is squashed to hard, the expansion and contraction difference may cause the distortion to the touch screen surface.

The cushion must be positioned more than 1mm (L3) outward from an inside of the insulation area (Please see the above structure Fig.1)

In case water-proof structure is necessary, use rubber materials as a cushion in a window frame form



Fig.3

#### 4. Mounting Touch screen

Touch screen must be held from the bottom such as the structure gluing the touch screen onto the display. If the touch screen is glued to the bezel, the adhesion between the top and bottom electrode is stressed and may come off.

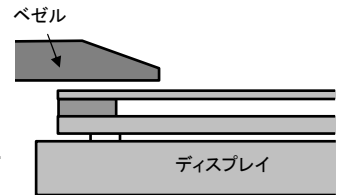


Fig.4

#### 5. Air Vent

Most of the touch screens have the air vent to equalize the inside air pressure to the outside one.

The air vent must be open and liquid contact must be avoided as the liquid may be absorbed if the liquid is accumulated near the air vent. The top electrode must not be swelled by the air pressure from inside of the case.



Fig.5

#### 6. Tail

The tail must not be forcibly stressed or bent too hard to avoid the conduction in the insulated area and wire breaking.

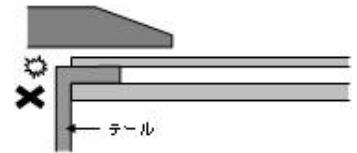


Fig.6

#### 7. Tolerance

There is a tolerance of 0.2 to 0.3mm for the dimensions of the touch screen and the tail. A gap must be made to absorb the tolerance in the case and the connector.

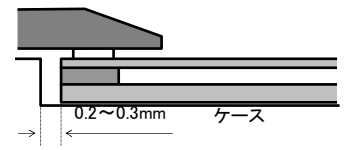


Fig.7