

**1. TOUCH PANEL PIN ASSIGNMENT**

|   |    |                |
|---|----|----------------|
| 1 | XR | Film Terminal  |
| 2 | YU | Glass Terminal |
| 3 | XL | Film Terminal  |
| 4 | YD | Glass Terminal |

**2. MATERIAL CHARACTERISTICS**

| Property               | Requirement |
|------------------------|-------------|
| Surface treatment      | Anti-Glare  |
| Bottom glass thickness | 1.1mm       |
| Light transmission     | 78%         |
| Operation temperature  | -20~70°C    |
| Storage temperature    | -20~80°C    |
| Operating Humidity     | 20~90%RH    |
| Storage Humidity       | 20~90%RH    |
| Surface hardness       | 3H          |

**3. ELECTRICAL CHARACTERISTICS**

| Property              | Requirement             |
|-----------------------|-------------------------|
| Type                  | Analog resistive 4 wire |
| Linearity             | Max. 1.5%               |
| X(1,3) resistance     | 280~900Ω                |
| Y(2,4) resistance     | 190~420Ω                |
| Insulation resistance | 20 MΩ (DC 25V)          |

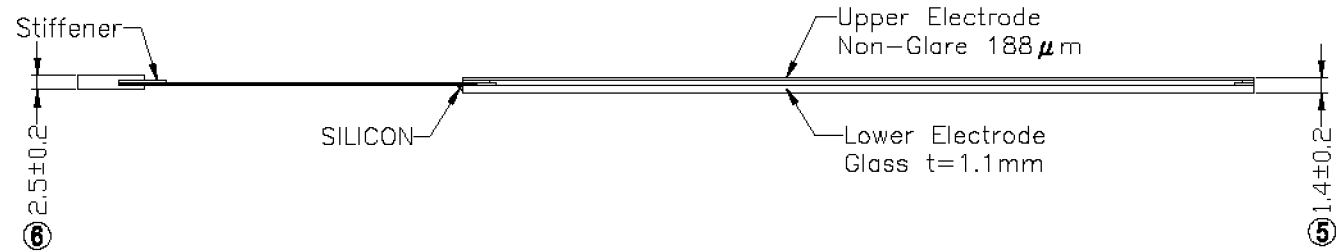
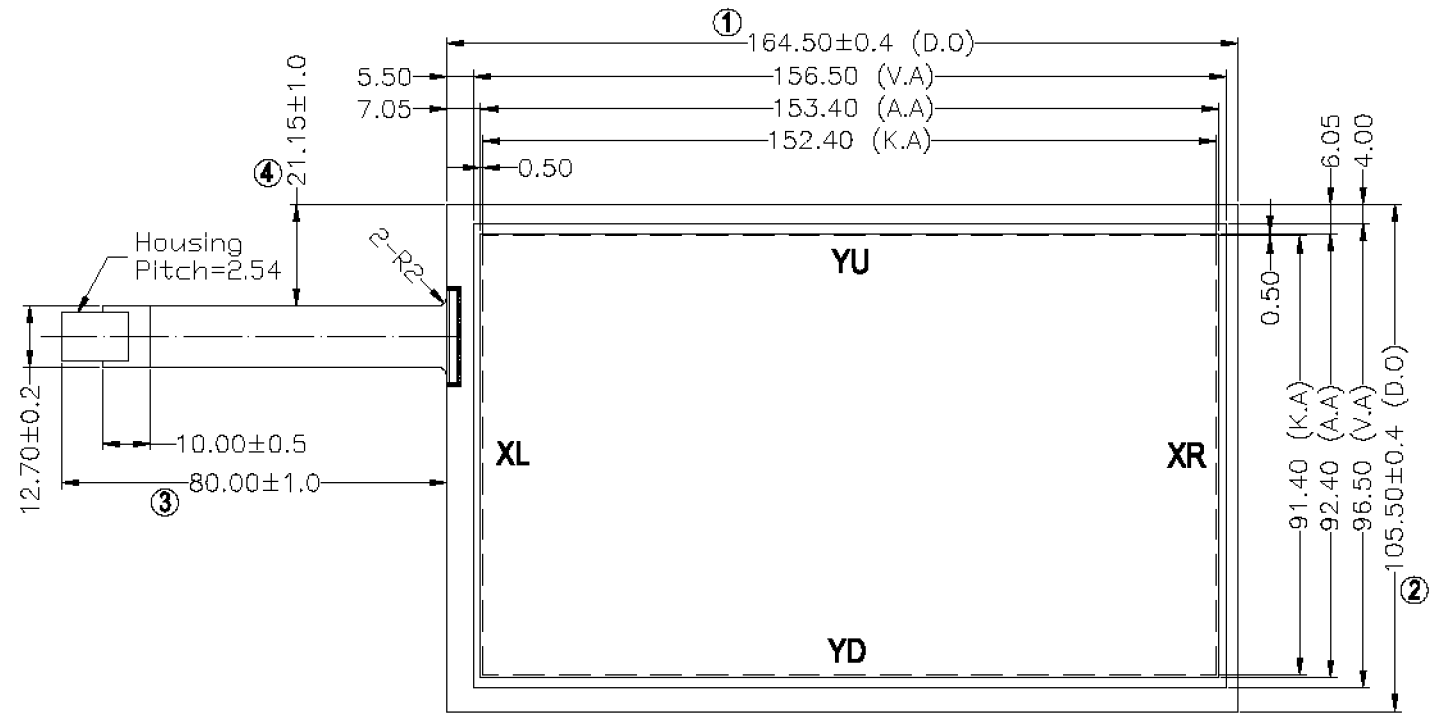
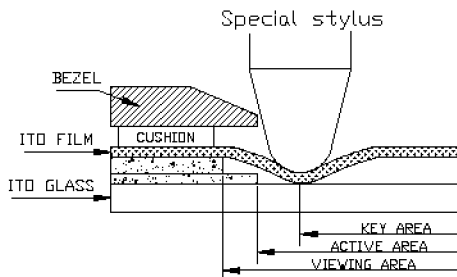
4.K.A : KEY AREA

5.A.A : ACTIVE AREA

6.V.A : VIEW AREA

7.D.O : DIMENSIONAL OUTLINE

8.Tolerance no specified: ±0.3mm



|         |                |          |            |                                |
|---------|----------------|----------|------------|--------------------------------|
| MODEL   | GP-070F-4S-04A | DATE     | 2005.04.20 | <b>GROOVY TECHNOLOGY CORP.</b> |
| UNIT    | mm.            | CUSTOMER |            |                                |
| DRAWING | Daniel         | APPROVED |            |                                |