

488(Touch Pane)
 473,5(Visual area)
 471(Action Area)

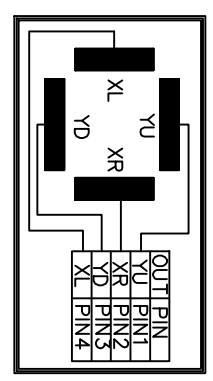
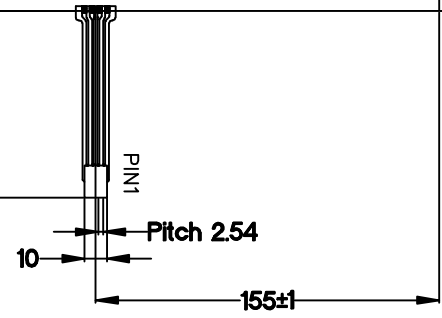
310(Touch Pane)
 295(Visual area)
 293,8(Action Area)

Front ITO Film 0.188mm
 hard coating anti newton ring
 Back Glass - 1.8mm

Thick: 2.3 ± 0.15

- Instruction:
- Type: Film to Glass
 - Operating Voltage: $\leq 10V$
 - Response Time: $\leq 10ms$
 - Storage Temperature: $-20^{\circ}C \sim +70^{\circ}C$
 - Operation Temperature/Humidity: $-10^{\circ}C \sim +60^{\circ}C / 20\% \sim 95\%$
 - Hitting Life: $> 1,000,000$ Times / 250gf Force
 - Writing Life: $> 1,000,000$ Times / 250gf Force
 - Connect Material: FPC+PIN

- Film Thickness: 0.188mm
- Glass Thickness: 1.8mm
- Light transmission: $\geq 70\%$
- Force: 100g or more
- Linearity: $\leq 1.5\%$
- Insulation: $\geq 20M\Omega$
- Resistance: X: $450\Omega \sim 1000\Omega$, Y: $170\Omega \sim 400\Omega$
- Surface Hardness: $\geq 3H$ (pencil)



Touch-Pane-VTW4220A0

REVISIONS

| SCALE | UNIT | MATERIAL | F/Q | Version |
|---------|------------|-----------|----------|---------|
| 1/1 | mm | TOUGHNESS | 543mm | 1.0 |
| DESIGN | Juka | DATE | 20090728 | |
| CHECK | peluor - J | DATE | 20090728 | |
| RELEASE | J | DATE | 20090728 | |