3 Capacitive Touch Panel Data Sheet

Item		Specification
A) MECHANICAL		
1	Input Method	Finger
2	Size	5.8"~22.4"W flat, standard and custom sizes also available
3	Glass Thickness	1.8mm/2.8 mm ±10% typical (glass only, not including tape, wires and solder if used), custom thickness also available
4	Surface Scratch Hardness	More than 9H per ASTM-D3363
5	Panel Warp	A/L≦ (±0.1%)
B) ELECTRICAL		
1	Accuracy	Max. Error ≦1% of reported position in recommended precision area (After 25 points calibration)
C) OPTICAL		
1	Light Transmission	93% ±2% per ASTM D1003 Different glass supplier will perform different performance.
2	Haze	≦1%(clear) ; ≦7%(AG)
3	Gloss R'60 (AG type)	Avg. 110±20 GU
D) RELIABILITY		
1	High Temperature Test	80℃ / 168hrs
2	Low Temperature Test	-40℃ / 120hrs
3	High Humidity Test	60℃ / 93% /240hrs
4	Abrasion Test	fit accuracy specification (Follow MIL-C-675C)
5	Adhesion Test	No deterioration, Tape test (Follow ASTM D3359)
6	Chemical Resistance	Soak 15 min, fit accuracy and external appearance specification (Follow ASTM F 1598-95,ASTM D 1308-87)

7	Static Pressure Test	>5Kgw/cm^2 (Follow ASTM C147-86(2000))
8	Peel Resistance of FFC Tail	>5Kgw, FFC tail solder on electrode pattern
9	Surface Durability	Withstand over 300 million (mechanically simulated) touches without noticeable degradation
10	Surface Obstructions	Touch panel operation unaffected by surface obstructions such as dirt, dust, grease, smoke, peanut butter, etc.
11	Cleaning	Lightly wipe the surface of the touch panel with water, isopropyl alcohol, and household neutral cleanser

E) EXTERNAL APPEARANCE SPECIFICATIONS

Item	Specification	
Feature		Not allowed
Opaque Anomaly	◎ Circular < 0.04 inch	◎ totally over 5 per sheet
	◎ Linear < 0.25 X 0.010 inch	
Translucent Anomaly	◎ Circular < 0.07 inch	◎ totally over 5 per sheet
	◎ Linear < 1.0 X 0.010 inch	

Note: ◎ **Only anomalies in the viewing area are considered.**

◎ **Anomalies measured less than 0.13mm are not considered.**

Visual Inspection Environment