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## **SPECIFICATION**

TS12864ARNO

TOUCH SCREEN PARA WG12864

<b>VERSION</b>	<b>DATE</b>	<b>REVISED PAGE NO.</b>	<b>SUMMARY</b>
0	2012/5/2		First issue

# 1. General Specification

ITEM	STANDARD VALUE	UNIT
Outline dimension	82.00±0.2(L) x50.20±0.2(W) x0.95±0.10(T)	mm
View area	72.0 ±0.2(L) x40.0±0.2 (W)	mm
Active area	66.52±0.2 (L) x 33.24±0.2(W)	mm

# 2. Absolute Maximum Ratings

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Operating Temperature	T <sub>OP</sub>	-20	—	+70	°C
Storage Temperature	T <sub>ST</sub>	-30	—	+80	°C

Note: The environment is of normal atmosphere pressure.

# 3. OPTICAL CHARACTERISTICS

Item	Specification
(1) Transparency	80±2%

Note1: Transparency is measured by using BYK-Gardner instrument.

# 4. ELECTRICAL CHARACTERISTICS

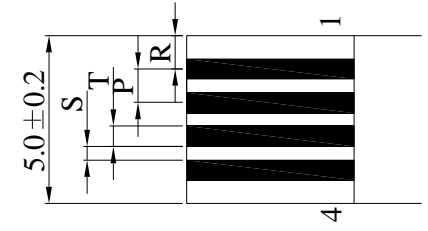
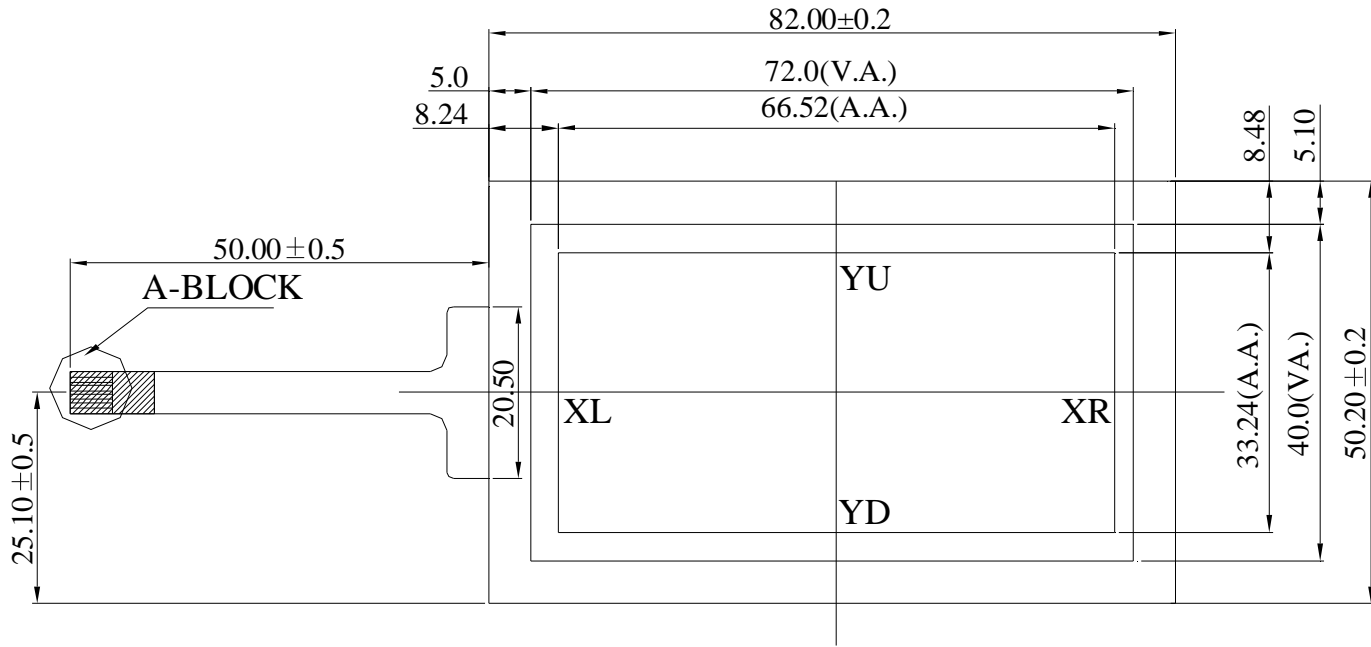
Item	Specification
(1) Terminal Resistance	Top Circuit Loop Resistance: 500~1500Ω, Bottom Circuit Loop Resistance: 150~900Ω
(2) Linearity Tolerance	≤ 1.5%
(3) Operation Voltage	5VDC
(4) Chattering	≤ 15ms
(5) Insulation	≥ 10MΩ, 25VDC

## **5. Reliability**

Item	Condition
(1) Constant Temperature and Humidity	60°C, 90%RH, 24 hrs and normalized for 24 hrs
(2) Heat Cycle	70°C, 24 hrs and normalized for 24 hrs
(3) Cold Cycle	-20°C, 24 hrs and normalized for 24 hrs
(4) Thermal Cycle	-20~70°C, 0.5hr each, 10 cycles and normalized for 24 hrs

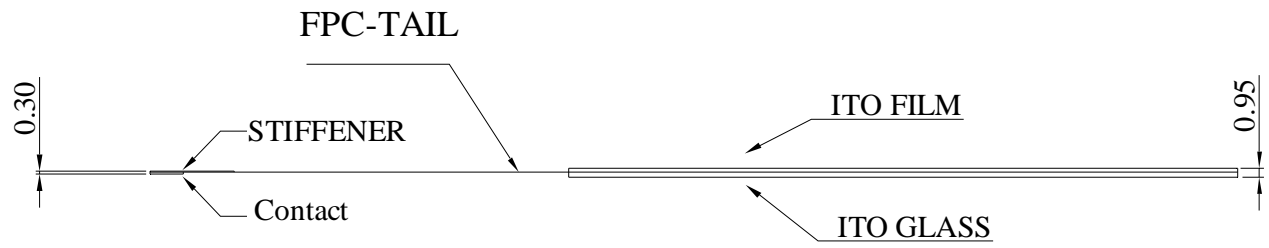
### ***Non-Proper Ways to handle the touch screen***

1. Do not pull or crease the tail of the touch screen.
2. Tails, unless the drawing calls out for a bend, are to be free of permanent creases in the polyester, slight crease lines in the adhesive tail cover are allowed.



A-BLOCK

- P=1.0±0.1
- T=0.5±0.1
- S=0.5±0.1
- R=1.0±0.1



PIN NO.	SYMBOL
1	XR
2	YU
3	XL
4	YD