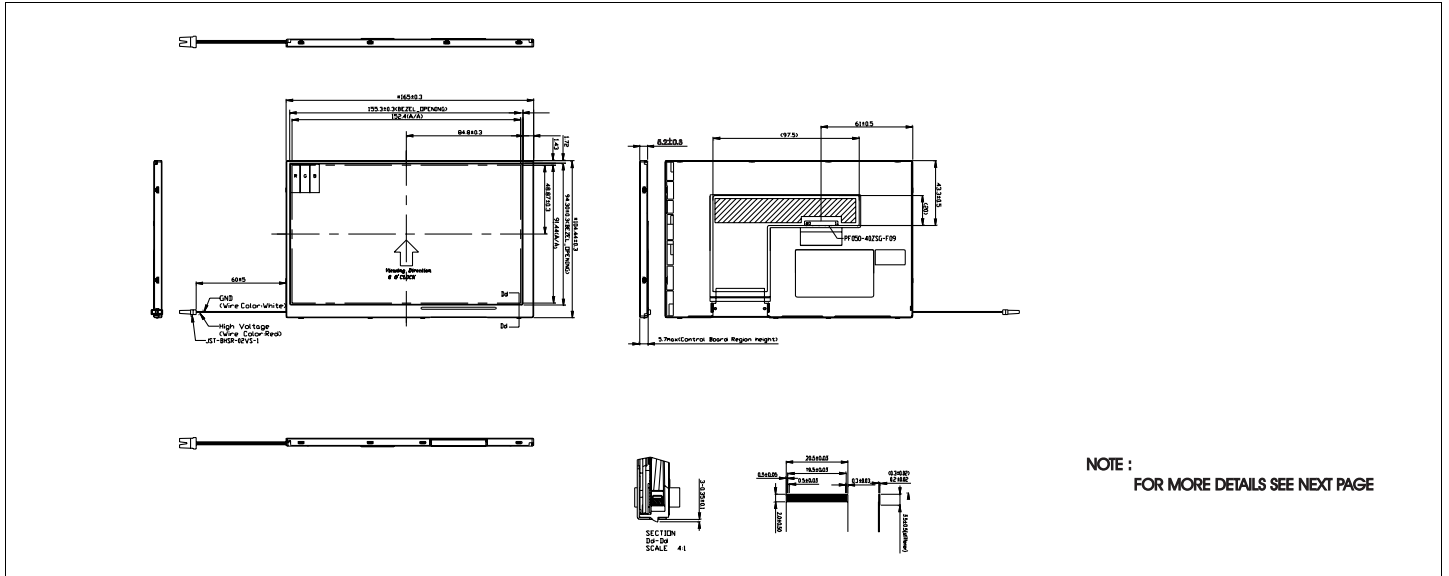


HDA700L-2S

Dimensional Drawing

7", WVGA (800 X480) , TFT Color Graphics ,White LED Backlight



- Features**
- Viewing Angle(H/V).....140/110 degrees
 - High Contrast.....400:1
 - Fast Response Time(R/F).....25 msec
 - Built-in Controller.....none
 - Touch Screenoptional
 - High Brightness option.....350 cd/m²

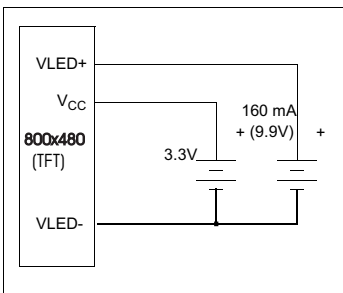
Electrical Characteristics (VCC=3.3±0.125V 25°C)

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	V _{CC}	-	3.0	3.3	3.6	V
OPERATING VOLTAGE W. LED	V _{LED}	-	-	9.9	-	V
INPUT HIGH VOLTAGE	V _{IH}	-	0.7*V _{CC}	-	V _{CC}	V
INPUT LOW VOLTAGE	V _{IL}	-	0	-	0.3*V _{CC}	V
OPERATING CURRENT	I _{CC}	V _{CC} = 3.3V	-	200	260	mA
OPERATING CURRENT W. LED	I _{LED}	-	-	160	200	mA
POWER CONSUMPTION	P	-	-	2.2	-	W
BRIGHTNESS	L	-	280	350	-	cd/m ²

Physical Data

- Module Size.....165.0W x104.44H x5.2T mm
- Active Area Size.....152.4W x91.44 H mm
- Dot Pitch.....0.1905W x 0.1905H mm
- Weight.....TBD

Power Supply



Pin Connections

PIN NO.	SYMBOL		FUNCTION
1	GND	-	Power Ground
2	GND	-	Power Ground
3	NC	-	No Connect
7	VCC	-	Power Supply
7	VCC	-	Power Supply
7	VCC	-	Power Supply
7	VCC	-	Power Supply
8	NC	-	No Connect
9	DE	H/L	Display Timing
10	GND	-	Power Ground
11	GND	-	Power Ground
12	GND	-	Power Ground
13-15	B5-B3	H/L	Blue Data 5-3
16	GND	-	Power Ground
17-19	B2-B0	H/L	Blue Data 2-0
20	GND	-	Power Ground
21-23	G5-G3	H/L	Green Data 5-3
24	GND	-	Power Ground
25-27	G2-G0	H/L	Green Data 2-0
28	GND	-	Power Ground
29-31	R5-R3	H/L	Red Data 5-3
32	GND	-	Power Ground
33-35	R2-R0	H/L	Red Data 2-0
36	GND	-	Power Ground
37	GND	-	Power Ground
38	DCLK	H/L	Data Clock
39	GND	-	Power Ground
40	GND	-	Power Ground

Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V _{CC}	-0.3	6	V
INPUT VOLTAGE	V _{IN}	-0.3	V _{CC} + 0.3	V
OPERATING TEMPERATURE	T _{OP}	-20	+70	°C
STORAGE TEMPERATURE	T _{STG}	-30	+80	°C

HDA700L-2S

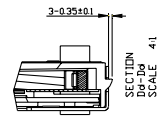
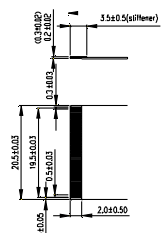
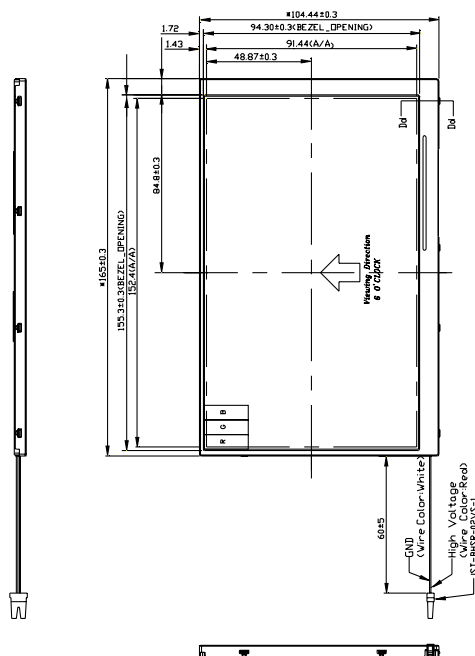
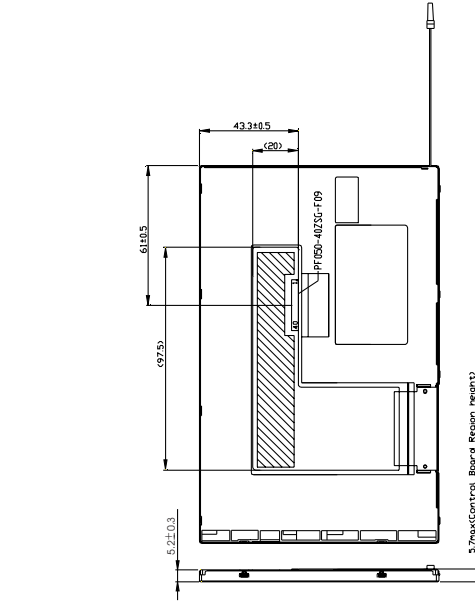
Dimensional Drawing

7", WVGA (800 X480) , TFT Color Graphics ,White LED Backlight

PIN	SYMBOL	PIN	SYMBOL
1	GND	21	G5
2	GND	22	G4
3	NC	23	G3
4	VCC	24	GND
5	VCC	25	G2
6	VCC	26	G1
7	VCC	27	G0
8	NC	28	GND
9	DE	29	R5
10	GND	30	R4
11	GND	31	R3
12	GND	32	GND
13	R5	33	R2
14	R4	34	R1
15	R3	35	R0
16	GND	36	GND
17	R2	37	GND
18	R1	38	CLK
19	R0	39	GND
20	GND	40	GND

Pin No.	Symbol	Wire Color
1	VLEDA	Red
2	VLEDB	White

1	Operating Voltage:	Vcc=3.3V typ.
2	Resolution:	800RGB*480
3	Color:	262K
4	Interface:	RGB
5	Display type:	Transmissive
6	Viewing Direction:	6:00
7	Operating Temp:	-20°C~70°C
8	Storage Temp:	-30°C~80°C
9	Driver IC:	HX8262*2,HX8678*1
10	Unspecified tolerance:	±0.2



HDA700LT-2S1

Dimensional Drawing

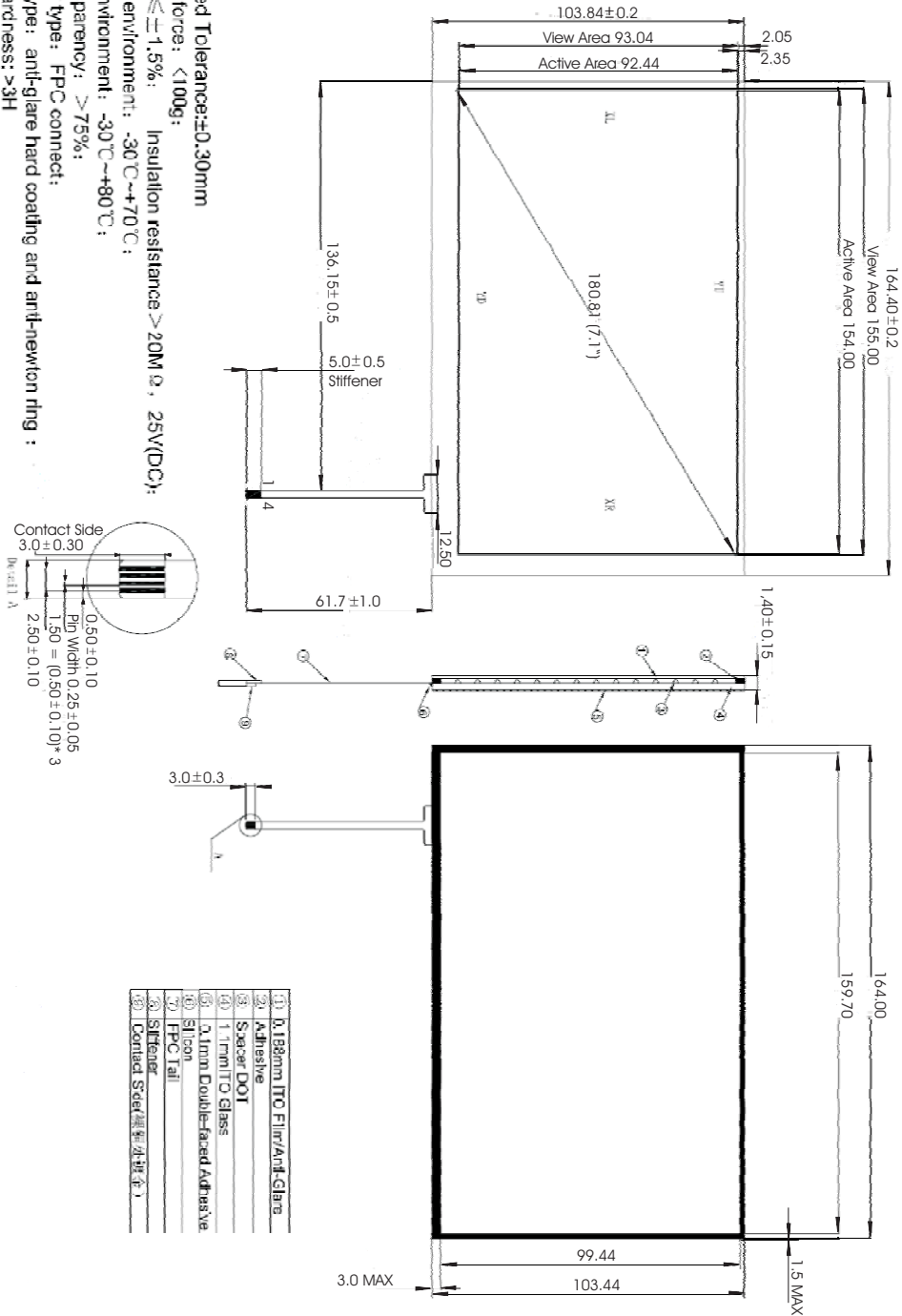
7" ,WVGA (800 X480) , TFT, with Touch Screen ,White LED Backlight

With TOUCH SCREEN

TOUCH SCREEN CONNECTOR : KYOCERA-ELCO 046227004100829+

PIN	QTY
1	10
2	10
3	10
4	10

- NOTE:
- 1、 Unspecified Tolerance:±0.30mm
 - 2、 Operating force: <100g;
 - 3、 Linearity: ≤±1.5%;
 - 4、 Operating environment: -30℃~+70℃;
 - 5、 Storage environment: -30℃~+80℃;
 - 6、 Light transparency: >75%;
 - 7、 Connector type: FPC connect;
 - 8、 ITO Film type: anti-glare hard coating and anti-newton ring ;
 - 9、 Surface hardness: >3H
 - 10、 Tapping durability: >1,000,000 times;
Pen sliding durability: >100,000 times;
 - 11、 Bound time: <10ms;
 - 12、 Compliant ROHS.



①	0.18mm ITO Film/Anti-Glare
②	Adhesive
③	Spacer DOT
④	1.1mm ITO Glass
⑤	0.1mm Double-faced Adhesive
⑥	Silicon
⑦	FPC Tail
⑧	Stiffener
⑨	Contact Side(接触侧排布)