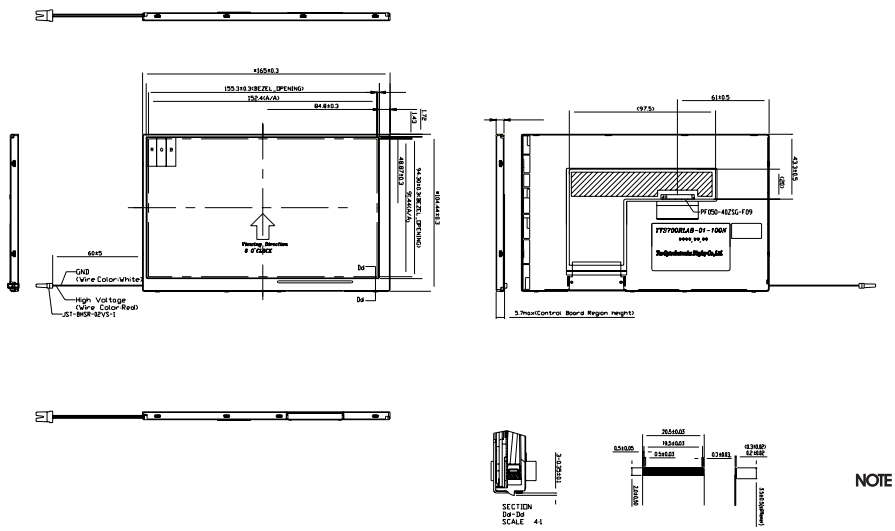
HDA700L-2S

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

Dimensional Drawing



NOTE :
FOR MORE DETAILS SEE NEXT PAGE

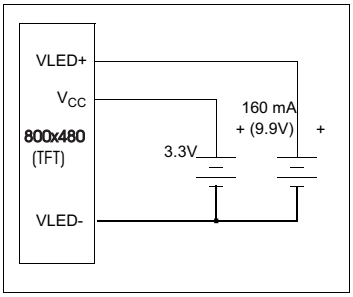
Features

Viewing Angle(H/VI).....140/110 degrees
High Contrast.....400:1
Fast Response Time(R/F).....25 msec
Built-in Controller.....none
Touch Screen .....optional
High Brightness option..... .....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



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

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
OPEATING 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
OPEATING CURRENT W. LED	I_{LED}	-	-	160	200	mA
POWER CONSUMPTION	P		-	2.2	-	W
BRIGHTNESS	L	-	280	350	-	cd/m^2

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

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HDA700L-2S

Dimensional Drawing

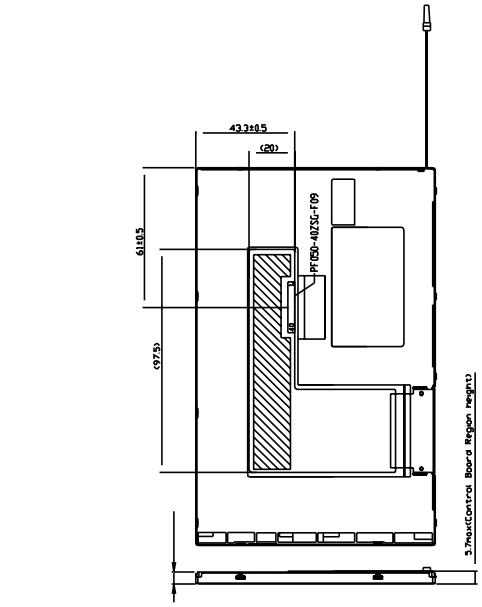
7”, WVGA (800 X480) , TFT Color Graphics ,White LED Backlight

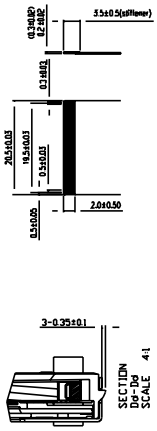
PIN	SYMBOL	PIN	SYMBOL
1	GND	21	G5
2	GND	22	G4
3	NC	23	G3
4	VCC	24	GND
5	VCC	25	G2
6	VCC	26	G1
7	VCC	27	G0
8	NC	28	GND
9	DE	29	R5
10	GND	30	R4
11	GND	31	R3
12	GND	32	GND
13	B5	33	R2
14	B4	34	R1
15	B3	35	R0
16	GND	36	GND
17	B2	37	GND
18	B1	38	DCLK
19	B0	39	GND
20	GND	40	GND

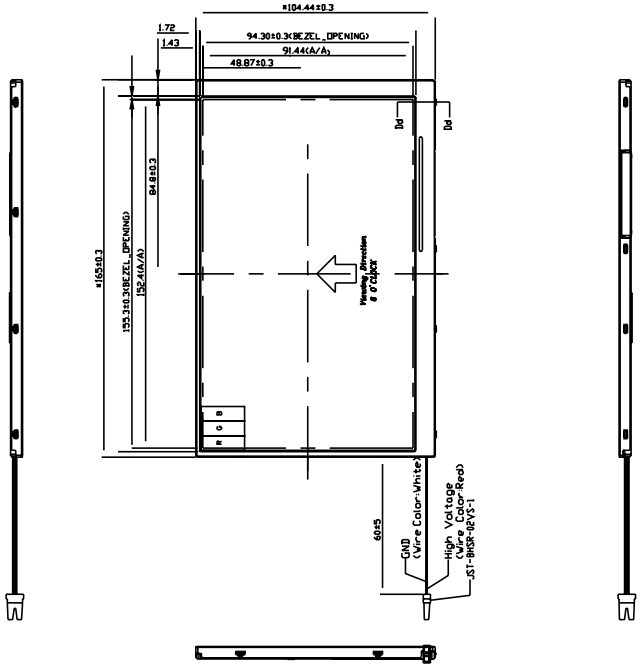
??? ???	?????
?	?????
?	?????

??? ???	??? ?????	
?	???	
?	?????	

1	Operating Voltage:	Vcc=3.3V typ.
2	Resolution:	800RGB*480
3	Color:	262K
4	Interface:	RGB
5	Display type:	Transmisstive
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







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HDA700LT-2S

Dimensional Drawing

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

With TOUCH SCREEN

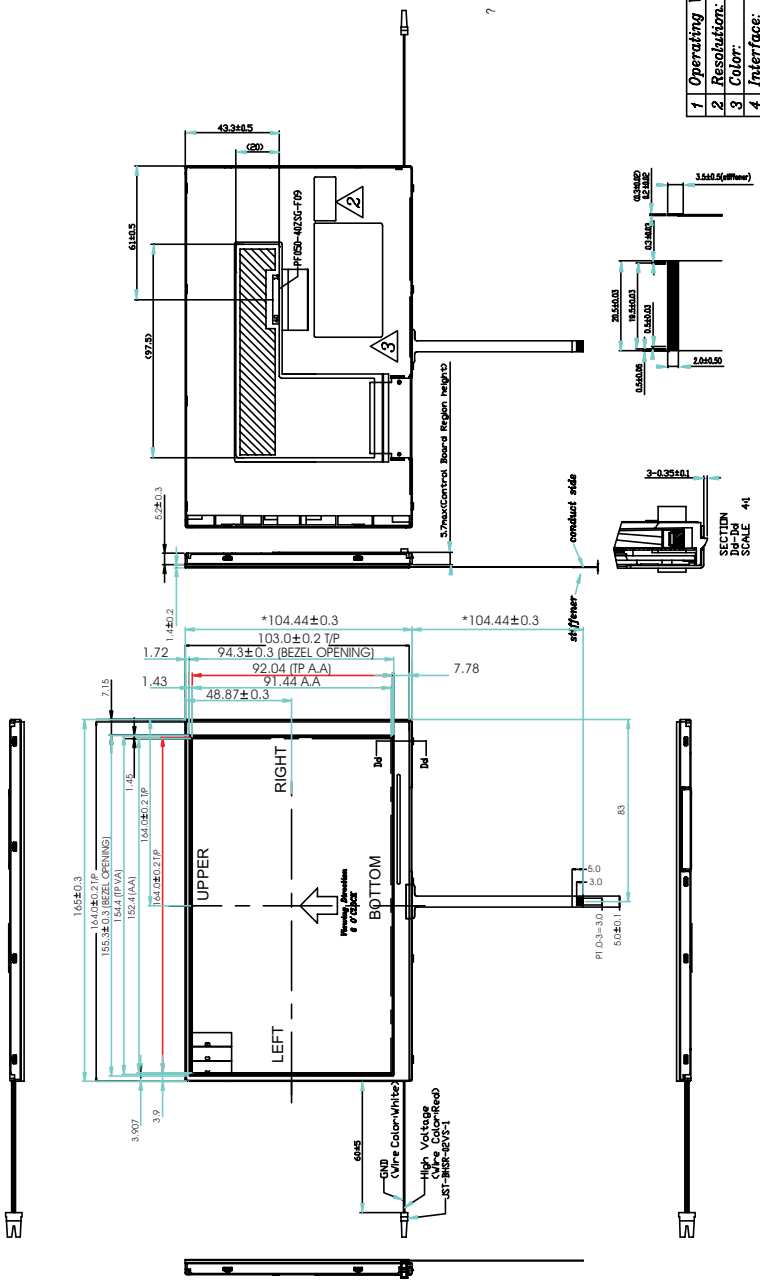
TOUCH SCREEN CONNECTOR : KYOCERA-ELCO 046227004100829+

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	B5	33	R2
14	B4	34	R1
15	B3	35	R0
16	GND	36	GND
17	B2	37	GND
18	B1	38	DCLK
19	B0	39	GND
20	GND	40	GND

??? ???	?????
? ? ????????	?????

T/P	
1	LEFT
2	BOTTOM
3	RIGHT
4	UPPER

1	Operating Voltage:	Vcc=3.3V typ.
2	Resolution:	800RGB*480
3	Color:	262K
4	Interface:	RGB
5	Display type:	Transmissive
6	Viewing Direction:	**12:00
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



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