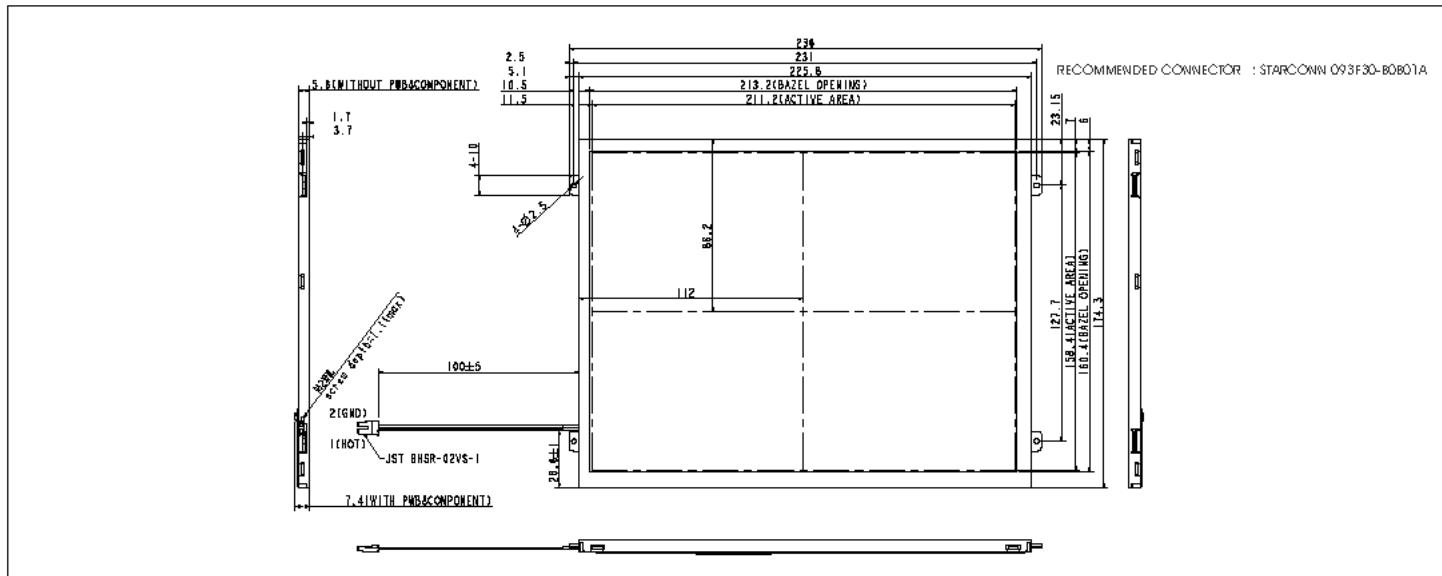


# HDA1040X

## Dimensional Drawing

10.4", XGA (1024 X768), TFT Color Graphics, CCFL Backlight



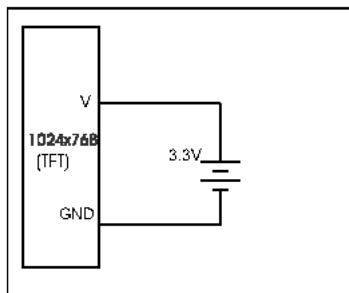
### Features

Viewing Angle(H/V)	140/120 degrees
High Contrast	500:1
Fast Response Time(R/F)	.25 msec
Built-in Controller	none
LVDS Interface Logic	

### Physical Data

Module Size	236.0W x174.3H x7.4T mm
Viewing Area Size	213.2W x160.4 H mm
Dot Pitch	0.20625W x 0.20625H mm
Weight	380 g

### Power Supply



### Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	$V_{CC}$	-0.3	4.0	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
CCFL LAMP CURRENT	$I_L$	4	8	mA

### Electrical Characteristics ( $V_{CC} = 3.3 \pm 0.125V$ 25°C)

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	$V_{CC}$	-	3.0	3.3	3.6	V
OPERATING VOLTAGE(CCFL)	$V_{CCFL}$	-	752	835	919	Vrms
INPUT DIFF. VOLTAGE ( $V_{IDS}$ )	$V_{ID}$	-	250	350	450	mV
INPUT COM. MODE VOLT.	$V_{CM}$	-	1.08	1.2	1.32	V
OPERATING CURRENT	$I_{CC}$	$V_{CC} = 3.3V$	-	420	600	mA
OPERATING CURRENT (CCFL)	$I_{CCFL}$	-	5.5	6.0	6.5	mA rms
POWER CONSUMPTION	$P$	-	-	6.41	-	W
BRIGHTNESS	$L$	-	240	300	-	cd/m <sup>2</sup>

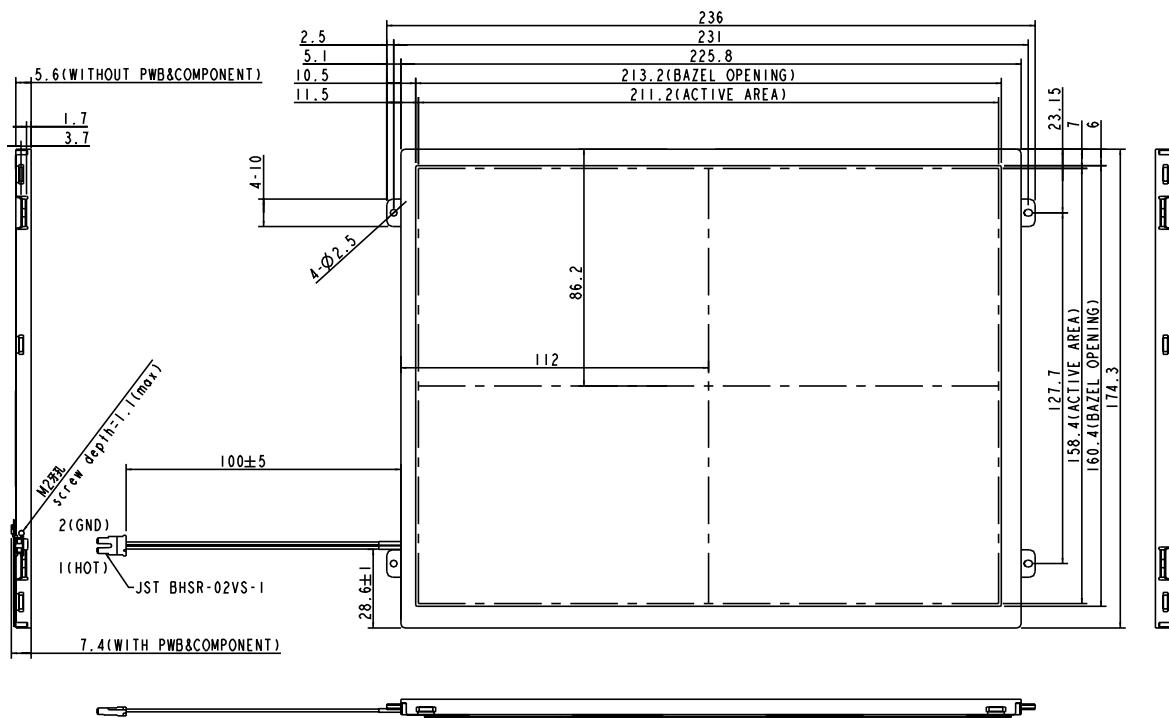
### Pin Connections

PIN NO.	SYMBOL	FUNCTION	
1	GND	-	Ground
2	V	-	+3.3V Power Supply
3	V	-	+3.3V Power Supply
4	NC	-	No Connection
5	NC	-	No Connection
6	NC	-	No Connection
7	GND	-	Ground
8	RXIN0 -	H/L	LVDS (-) - channel 0
9	RXIN0 +	H/L	LVDS (+) - channel 0
10	GND	-	Ground
11	RXIN1 -	H/L	LVDS (-) - channel 1
12	RXIN1 +	H/L	LVDS (+) - channel 1
13	GND	-	Ground
14	RXIN2 -	H/L	LVDS (-) - channel 2
15	RXIN2 +	H/L	LVDS (+) - channel 2
16	GND	-	Ground
17	RXCLK -	H/L	LVDS (-) - clock
18	RXCLK +	H/L	LVDS (+) - clock
19	GND	-	Ground
20	NC	-	No Connection
21	NC	-	No Connection
22	GND	-	Ground
23	GND	-	Ground
24	NC	-	No Connection
25	NC	-	No Connection
26	NC	-	No Connection
27	NC	-	No Connection
28	NC	-	No Connection
29	NC	-	No Connection
30	NC	-	No Connection

## MECHANICAL DIMENSION

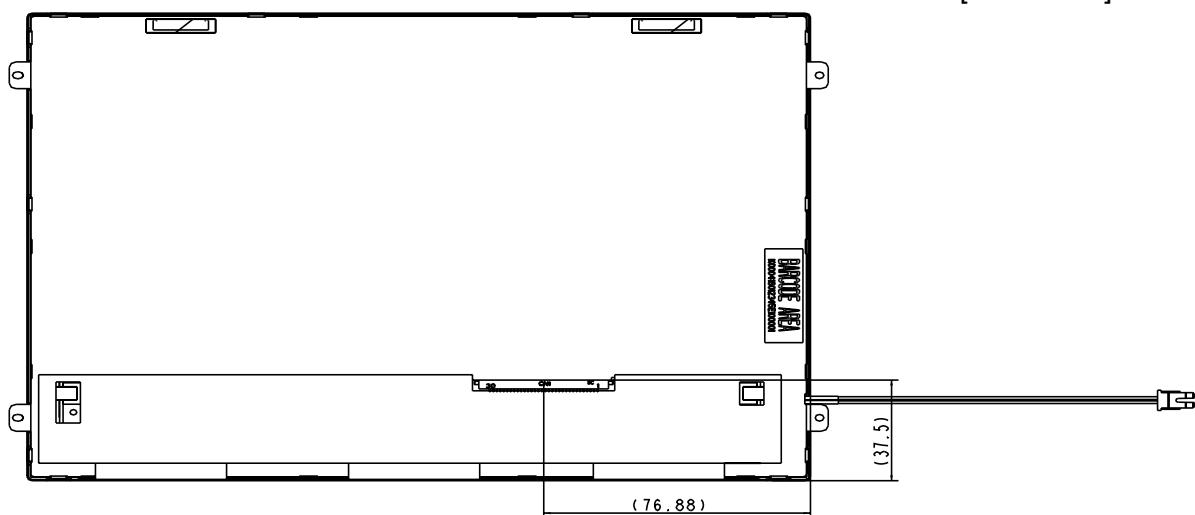
## Front Side

[U Nit - mm]



## 7.2 Rear Side

[Unit mm]

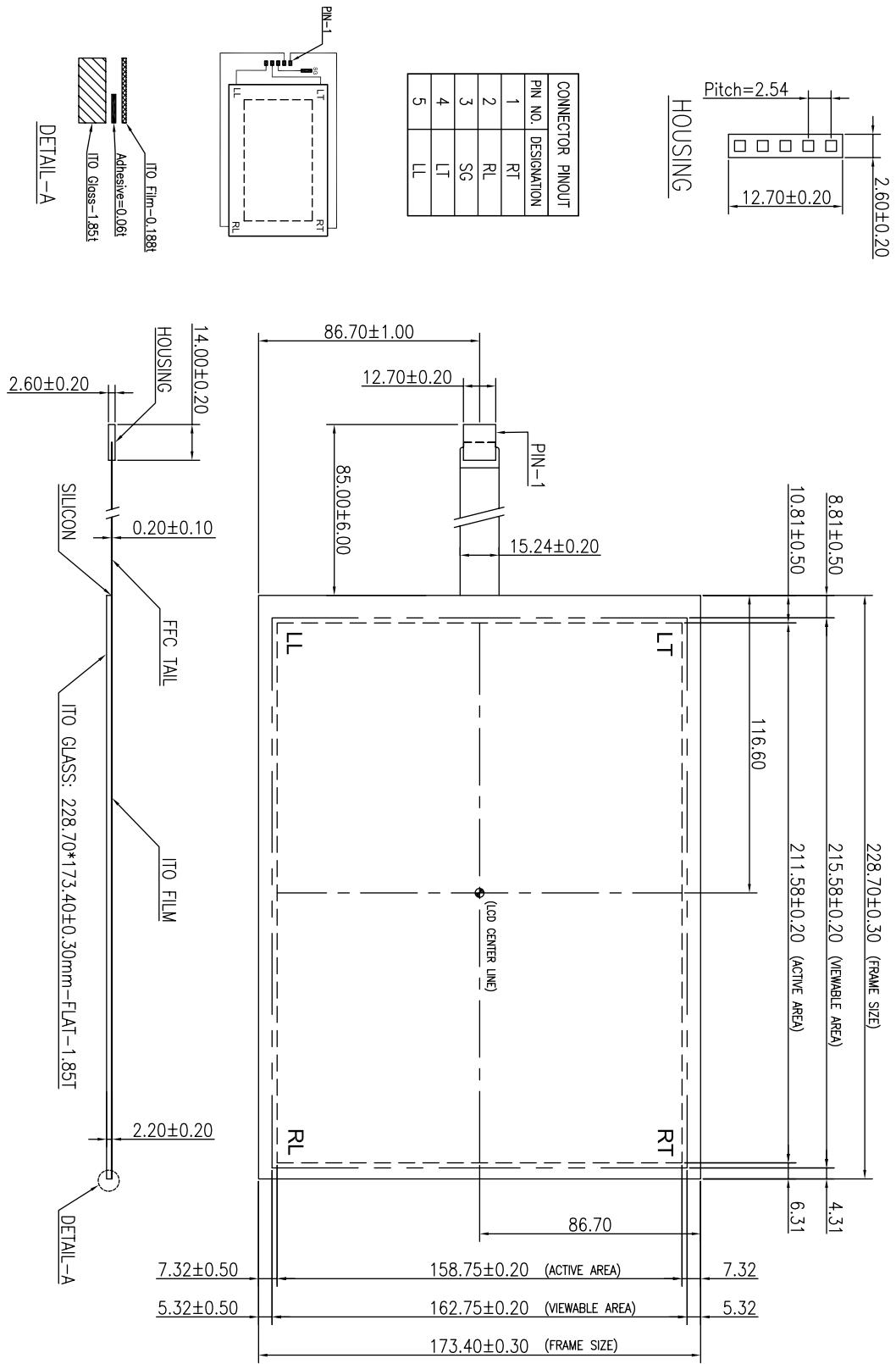


# HDA1040XT

Dimensional Drawing

10.4", XGA (1024 X768), TFT, With Touch Screen, CCFL Backlight

With TOUCH SCREEN



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