SPECIFICATION

CUSTOMER : _____

MODULE NO.: WF150-1024768AL#0P0-FC

General Specifications

Item	Dimension	Unit
Size	15.0	inch
Dot Matrix	1024 x RGB x 768 (TFT)	dots
Module dimension	326.5 x 253.5 x9.1	mm
Active area	304.1 x 228.1	mm
Dot pitch	0.297 x 0.297	mm
LCD type	TFT, Normally Black, Transmissive	
Viewing Angle	88/88/88/88	
Backlight Type	LED,Normally White	
Interface	LVDS	
With /Without TP	Without TP	
Surface	Anti-Glare	

*Color tone slight changed by temperature and driving voltage.

Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	-20	—	+70	℃
Storage Temperature	TST	-30	—	+70	℃

Note: Device is subject to be damaged permanently if stresses beyond those absolute maximum ratings listed above

1. Temp. ≦60℃, 90% RH MAX. Temp.＞60℃, Absolute humidity shall be less than 90% RH at 60℃

Electrical Characteristics

TFT LCD MODULE

Parameter		Symbol	Value			Unit	Note
			Min.	Typ.	Max.		
Power Supply Voltage		V_C	3.0	3.3	3.6	V	-
Ripple Voltage		V_{RP}	-	-	100	mVp-	
Rush Current		I_{RUS}	-	-	(2.0)	A	(2
Power Supply Current	White	Icc	-	(800)	(960)	mA	(3)a
	Black		-	(670)	(800)	mA	(3)b
LVDS differential input voltage		Vid	200	-	600	mV	
LVDS common input voltage		Vi	1.0	1.2	1.4	V	
Differential Input Voltage for LVDS	"H" Level	V_I	-	-	100	mV	-
	"L" Level	V_{IL}	-100	-	-	mV	-
Terminating Resistor		R_T	-	100	-	Ohm	-

Note (1) The module should be always operated within above ranges. Note (2) Measurement Conditions:

Interface

LCM PIN Definition

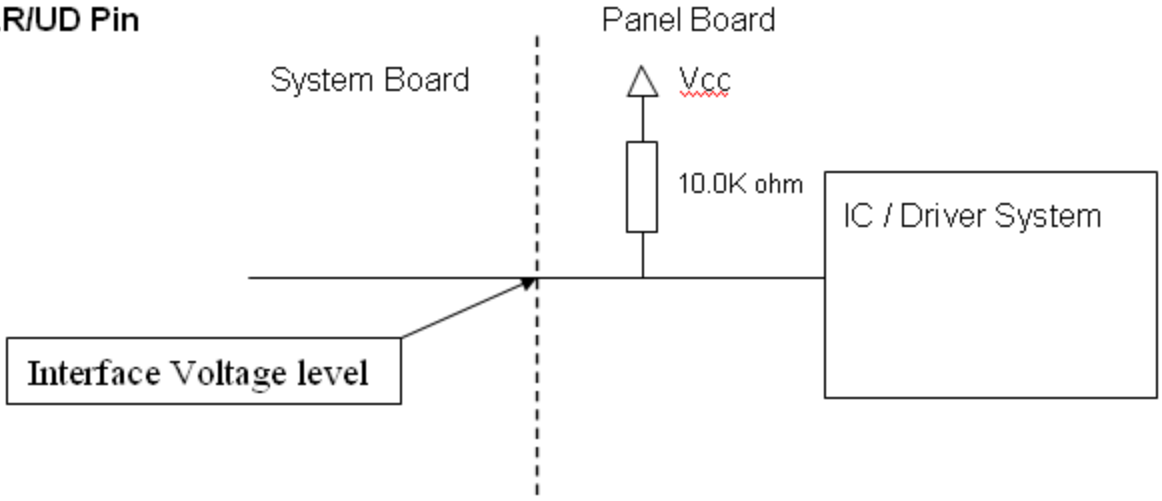
Pin No.	Symbol	Function	Polarity	Note
1	VCC	Power Supply +3.3V(typical)		
2	VCC	Power Supply +3.3V(typical)		
3	NC	No Conncetion (Reserve for INX test)		
4	LR/UD	Reverse Scan Control H or NC = Normal Mode. L = Horizonta/ Vertical Reverse Scan.		
5	RX0-	LVDS Differential Data Input	Negative	
6	RX0+	LVDS Differential Data Input	Positive	
7	GND	Ground		
8	RX1-	LVDS Differential Data Input	Negative	
9	RX1+	LVDS Differential Data Input	Positive	
10	NC	No Conncetion (Reserve for INX test)		
11	RX2-	LVDS Differential Data Input	Negative	
12	RX2+	LVDS Differential Data Input	Positive	
13	GND	Ground		
14	RXCLK-	LVDS Differential Data Input	Negative	
15	RXCLK+	LVDS Differential Data Input	Positive	
16	GND	Ground		
17	RX3-	LVDS Differential Data Input	Negative	
18	RX3+	LVDS Differential Data Input	Positive	
19	NC	No Conncetion (Reserve for INX test)		
20	SEL68	LVDS 6/8 bit select function control, High → 6bit Input Mode Low or NC→ 8bit Input Mode		Note (3)

Note (1) Connector Part No.: Cvilux CID520D1HR0-NH or equivalent.

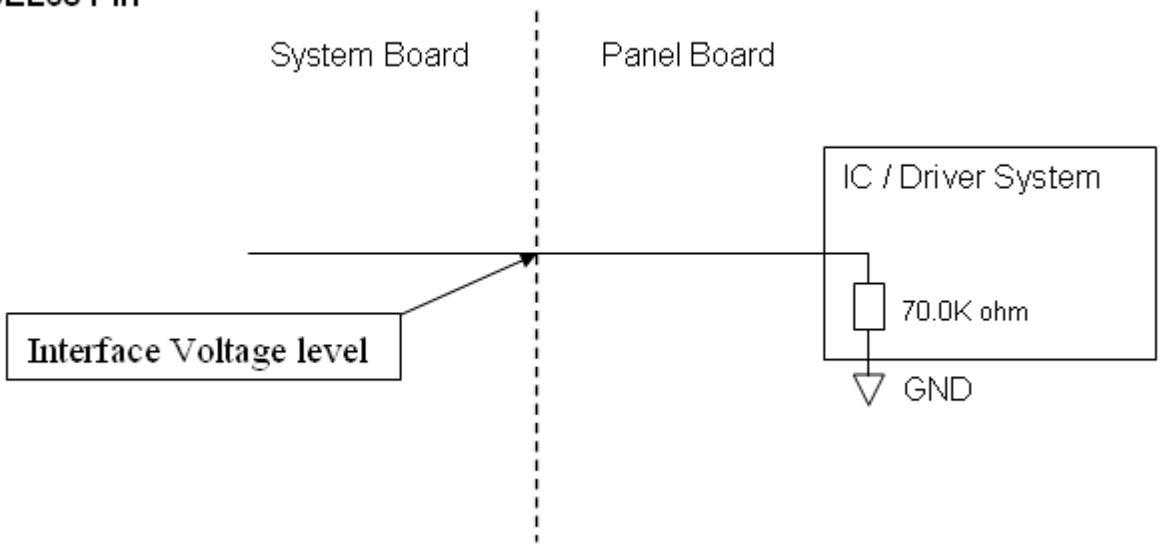
Note (2) User's connector Part No.: Entery H204K-D20N-12B or equivalent.

Note (3) "Low" stands for 0V. "High" stands for 3.3V. "NC" stands for "No Connection".

LR/UD Pin



SEL68 Pin



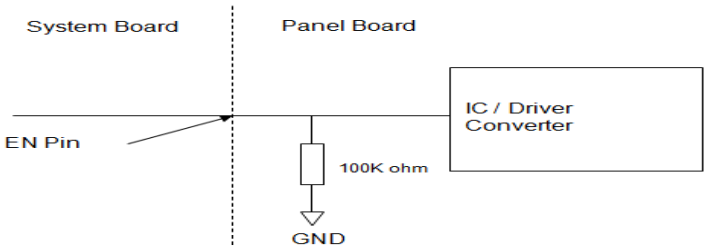
8.2. BACKLIGHT UNIT(Converter connector pin)

Pin	Symbol	Description	Remark
1	Vi	Converter input voltage	12V
2	VGND	Converter ground	Ground
3	EN	Enable pin	3.3V
4	Dimming	Backlight Adjust	PWM Dimming (Hi: 3.3VDC, Lo: 0VDC)
5	NC	Not Connect	

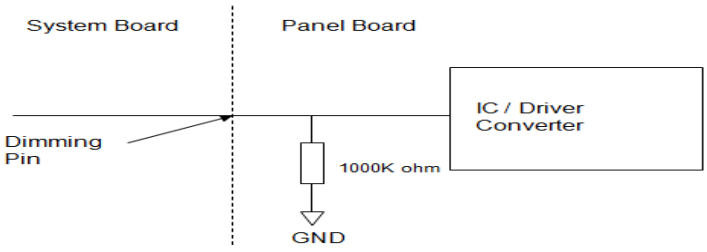
Note (1) Connector Part No.: CI4205-M2HRP-NH (Cvilux) or equivalent.

Note (2) User's connector Part No.: H208K-D05N-22B (Entery) or equivalent

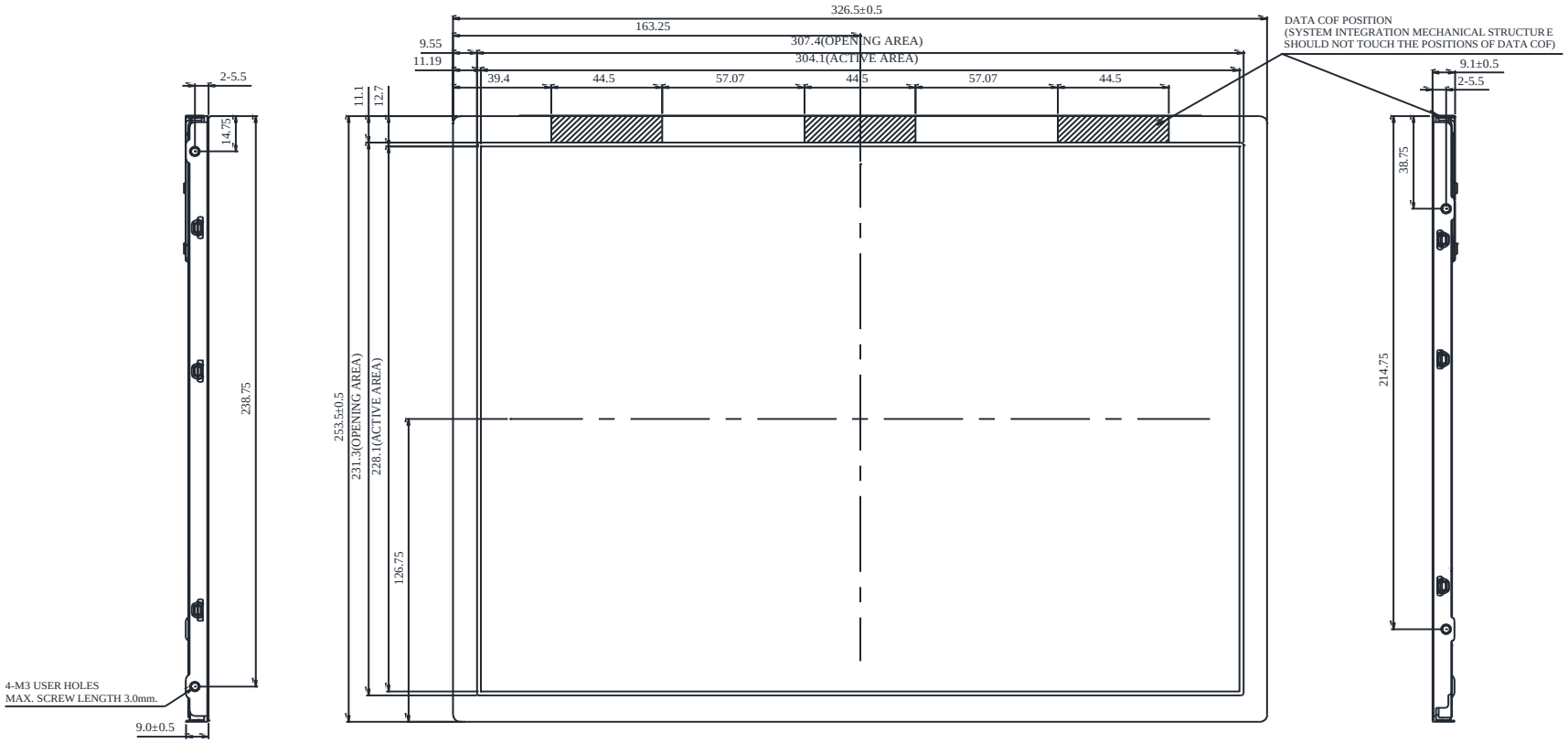
EN Pin



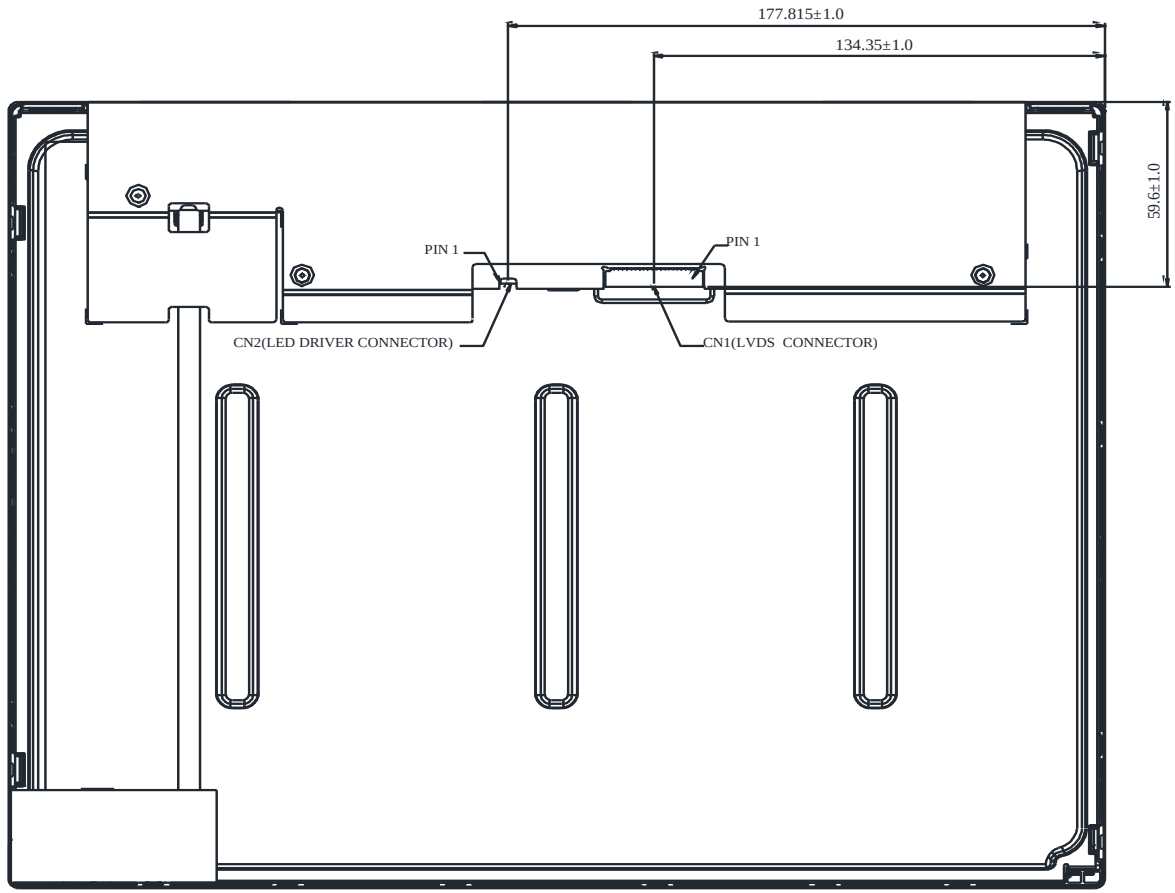
Dimming Pin



Contour Drawing



The non-specified tolerance of dimension is ±0.3 mm .



CN2

PIN NO.	SYMBOL
1	Vi
2	VGND
3	EN
4	Dimming
5	NC

CN1

PIN NO.	SYMBOL
1	VCC
2	VCC
3	NC
4	LR/UD
5	RX0-
6	RX0+
7	GND
8	RX1-
9	RX1+
10	NC
11	RX2-
12	RX2+
13	GND
14	RXCLK-
15	RXCLK+
16	GND
17	RX3-
18	RX3+
19	NC
20	SEL68

The non-specified tolerance of dimension is ±0.3 mm .