SPECIFICATION

CUSTOMER : _____

MODULE NO.: WF70-800480GH#000-FC

General Specifications

Item	Dimension	Unit
Size	7.0	inch
Dot Matrix	800 x RGBx480(TFT)	dots
Module dimension	165.0(W) x 100(H) x 21.2(D)	mm
Active area	154.08 x 85.92	mm
Dot pitch	0.0642 x 0.179	mm
LCD type	TFT, Normally White, Transmissive	
View Direction	12 o'clock	
Gray Scale Inversion Direction	6 o'clock	
Aspect Ratio	16:9	
Backlight Type	LED,Normally White	
Interface	HDMI	
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	—	+80	℃

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

1. Typical Operation Conditions

Item	Symbol	Values			Unit	Remark
		Min.	Typ.	MAX.		
Power voltage	VDD	4.5	5.0	5.5	V	Note 2

Note 1: Be sure to apply VDD and VGL to the LCD first, and then apply VGH.
Note 2: VDD setting should match the signals output voltage

2. Current Consumption

Item	Symbol	Values			Unit	Remark
		Min.	Typ.	MAX.		
	IVDD	-	900	-	mA	VDD =5V
	IVLED(5V)	-	1.5	-	A	VLED=5V

Interface

1. HDMI

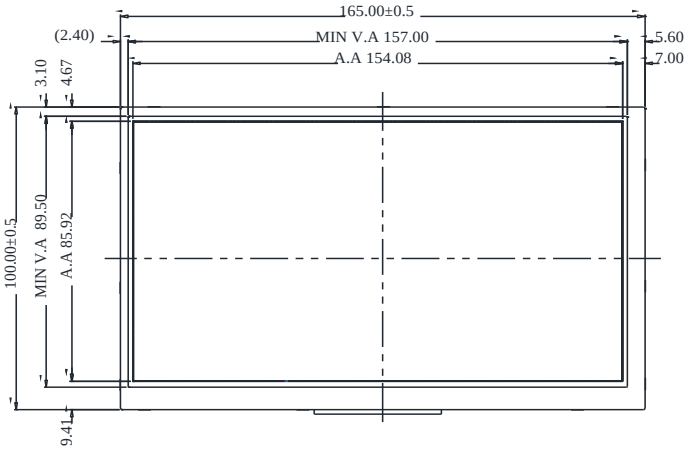
Pin No.	Symbol	I/O	Function	Remark
1	Rx2+	I	Differential Data Input	
2	GND	P	Ground	
3	Rx2-	I	Differential Data Input	
4	Rx1+	I	Differential Data Input	
5	GND	P	Ground	
6	Rx1-	I	Differential Data Input	
7	Rx0+	I	Differential Data Input	
8	GND	P	Ground	
9	Rx0-	I	Differential Data Input	
10	RxC+	I	Differential Clock Input	
11	GND	P	Ground	
12	RxC-	I	Differential Clock Input	
13-14	NC	-	No connection	
15	SCL	I/O	DDC(Data Display Channel) Clock	
16	SDA	I/O	DDC(Data Display Channel) Data	
17	GND	P	Ground	
18	5V	P	Power Supply	
19	Detect	I/O	Hot plug detect	

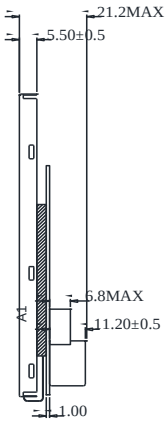
I: input, O: output, P: Power

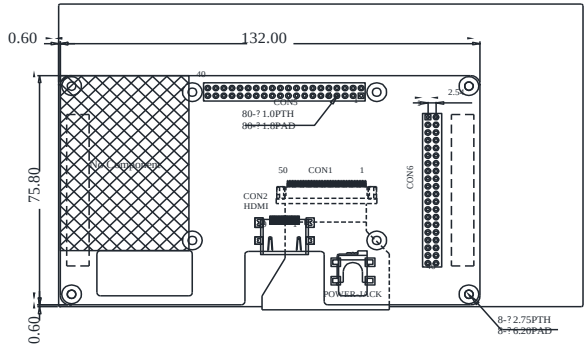
2.
POWER JACK

Pin No.	Symbol	I/O	Function	Remark
1	VLED+	P	Power Supply	
2	VLED-	P	Ground	
3	NC		No connection	

Contour Drawing

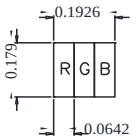






HDMI

PIN NO.	SYMBOL
1	RX2+
2	GND
3	RX2-
4	RX1+
5	GND
6	RX1-
7	RX0+
8	GND
9	RX0-
10	RXC+
11	GND
12	RXC-
13	NC
14	NC
15	SCL
16	SDA
17	GND
18	5V
19	Detect



SCALE:100X

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