

# BTH070A-DHC\$



## ● Feature

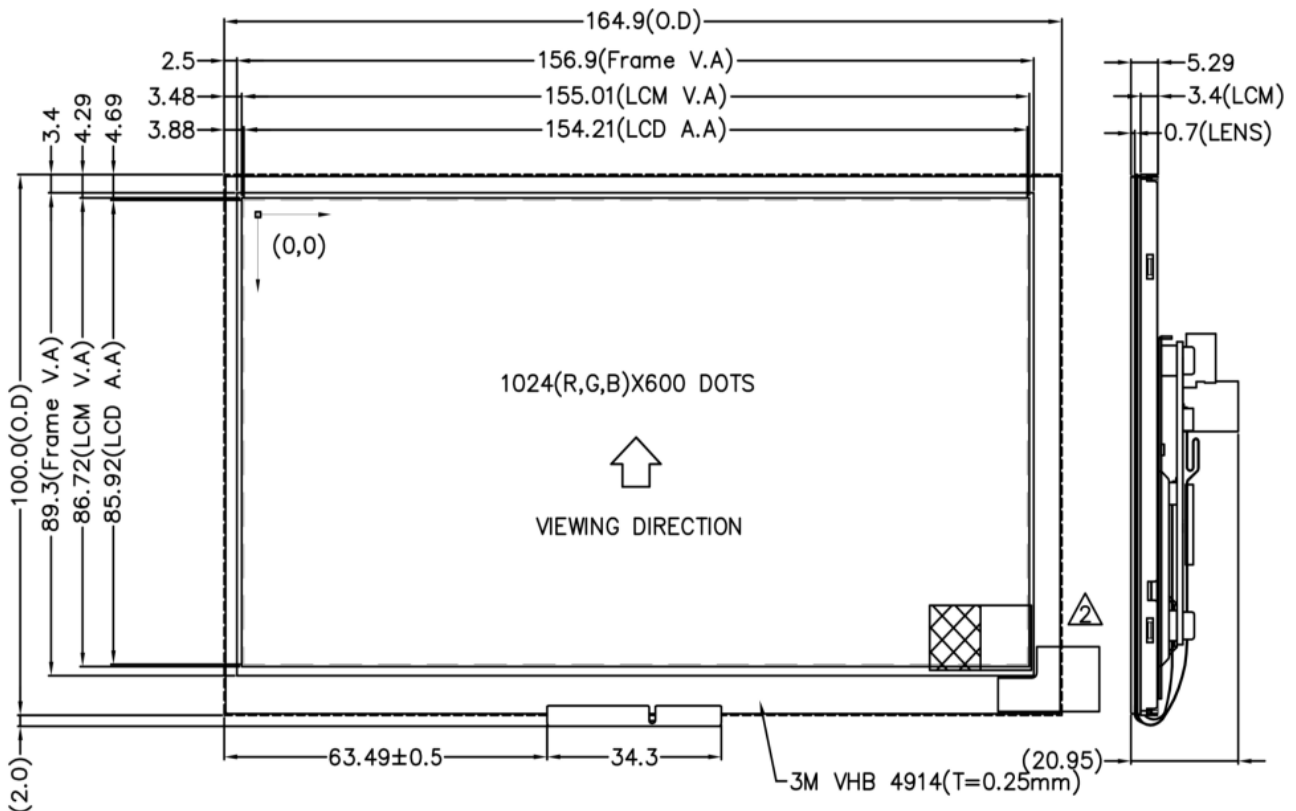
1. 7.0" TFTLCD Module
2. Resolution:1024\*3(RGB)\*600
3. DisplayType:TFT/Transmissive/Normally white
4. Interface Type:HDMI
5. Surface Luminance:300cd/m<sup>2</sup>
6. Top:-20°C~70°C
7. Support Capacitive Touch Panel

## ● Mechanical Data

1. Module(WxHxT)(mm):164.9\*100.0\*21.2
2. Active Area(mm):154.21\*85.92
3. LED Numbers: 30 LEDs



## ● Mechanical Drawing



## ● HDMI Interface Pin Function

Pin#	Name	Description
1	TX2+	TMDS Data 2+
2	TX2 Shield	TMDS Data 2 Shield
3	TX2-	TMDS Data 2-
4	TX1+	TMDS Data 1+
5	TX1 Shield	TMDS Data 1 Shield
6	TX1-	TMDS Data 1-
7	TX0+	TMDS Data 0+
8	TX0 Shield	TMDS Data 0 Shield
9	TX0-	TMDS Data 0-
10	TXC+	TMDS Clock+
11	TXC Shield	TMDS Clock Shield
12	TXC-	TMDS Clock-
13	CEC	CEC
14	NC	No connection
15	SCL	Serial Clock for DDC
16	SDA	Serial Data for DDC
17	GND	Power ground
18	V5V	+5V Power
19	Hot Plug Detect	Hot Plug Detect

## ● Capacitive Touch Panel Pin Function

Pin#	Name	Description
1	V5V	V <sub>Bus</sub> 4.4V-5.25V
2	D-	Data-
3	D+	Data+
4	ID	No connection
5	GND	Power ground.

## ● Electrical Characteristics

### Module

Item	Symbol	Min.	Typ.	Max.	Unit	Remark
Input Signal Voltage	V <sub>12V</sub>	11.5	12.0	12.5	V	-
Supply Current	I <sub>V12V</sub>	250	350	500	mA	Pattern = Full Display
Input Signal Voltage	V <sub>COM</sub>	3.3	3.8	4.3	V	-
Logic Supply Voltage	DVDD	2.5	3.3	3.6	V	-
Analog Supply Voltage	AVDD	8.0	11.0	13.5	V	-
Low Supply Voltage	V <sub>GL</sub>	-7.1	-6.8	-6.5	V	-
High Supply Voltage	V <sub>GH</sub>	19.7	20.0	20.3	V	-
Logic Input Voltage	V <sub>IH</sub>	0.7*DVDD	-	DVDD	V	-
	V <sub>IL</sub>	GND	-	0.3*DVDD	V	-

### Backlight

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
LED Voltage	V <sub>L</sub>	I <sub>L</sub> =200mA	8.7	9.6	10.2	V
LED Life Time	-		20000	-	-	hr