







FOR APPROVAL
MODEL : HC6401A (2529)

Customer _____

RECEIPT STATUS
RECEIVED
By Date
Signature
Name
Time

Approval Stamp	Approved	Checked								
										
 3 2 4 桃 園 縣 平 鎮 市 太 平 西 路 2 0 7 巷 3 3 弄 1 2 號 NO.12, ALLEY 33, LANE 207, TAI PING W. RD., PINGJEN CITY, TAOYUAN HSIEN, TAIWAN	 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Model</td> <td>HC6401A(2529)</td> </tr> <tr> <td>Version</td> <td>2</td> </tr> <tr> <td>Total Pages</td> <td>6</td> </tr> <tr> <td>Date</td> <td>DEC.16,2010</td> </tr> </table>	Model	HC6401A(2529)	Version	2	Total Pages	6	Date	DEC.16,2010
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1. Application

This specification shall be applied to model : HC6401A, 6.4" color TFT LCD module.

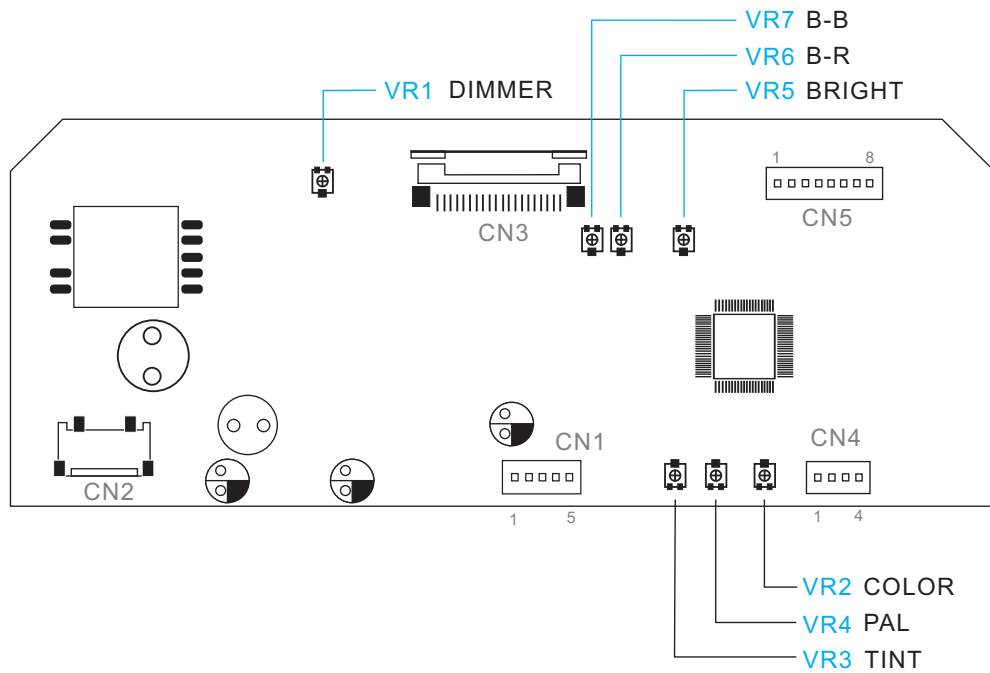
2. Specifications

2-1	Display	:	6.4" color TFT LCD
2-2	Resolution	:	960(H) x 234(V)
2-3	Action Area	:	129.6(H) x 97.34(V)
2-4	Dot Pitch	:	0.135(H) x 0.416(V)
2-5	Pixel Configuration	:	R.G.B Stripe
2-6	Back Light	:	CCFT
2-7	Input Signal	:	NTSC & PAL (auto-switch) composite video signal 1 Vp-p / 75 ohm sync. Negative
			NTSC PAL
		f_H :	15.75 KHz 15.625 KHz
		f_V :	60 Hz 50 Hz
		f_C :	3.58 MHz 4.43 MHz
2-8	Power Source	:	DC 12 V ~ 24 V (ripple 0.5 Vp-p max.)
2-9	Range of Operating Voltage	:	DC 10 V ~ 24 V
2-10	Power Consumption	:	8 W max.
2-11	Operating Temperature	:	0°C ~ 60°C
2-12	Storage Temperature	:	- 30°C ~ 80 °C
2-13	Operating Humidity	:	Max. 85% RH
2-14	Storage Humidity	:	Max. 85% RH
2-15	Overall Dimension	:	156.3(W) x 119.8(H) x 22(D)
2-16	Weight	:	305 ± 5 g

3. Optical Specifications

3-1	Lamp Life-time	:	10,000 hr min. (at Tamb = 25°C)
3-2	Typ. Viewing Angle	:	Right 60 deg Left 60 deg Top 40 deg Bottom 55 deg
3-3	Brightness	:	Typ. 300 cd/m ²
3-4	Contrast Ratio	:	Typ. 150

4. Connector & VR



Pin Assignment

■ CN1

Pin	Parameter
1	DC Input
2	GND
3	Ps *1
4	Mirror Hi Action
5	5V Output

* 1) Enable Input. When higher than 1.3V, this pin turns the IC on. When lower than 0.7V, this pin turns the IC off. Output voltage is discharged when the IC is off.

■ CN5 RGB Interface (Reservation)

Pin	Parameter
1	SYNC
2	GND
3	B
4	GND
5	G
6	GND
7	R
8	GND

■ CN4

Pin	Parameter
1	Color
2	Dimmer
3	GND
4	Cvbs Input

5. Inspection Standard

5-1 Classification of Defects

5-1-1 Dot defect

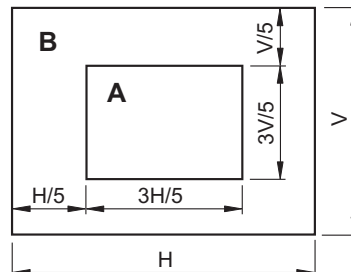
a). Inspection condition

- Inspection distance : 35 ± 5 cm
- Inspection illumination : 100 ~ 150 Lux
- Panel temperature : $30 \pm 5^\circ\text{C}$
- Inspection pattern : full white, full black, red, green and blue screens

b). Acceptable criteria

Item	Area		Total
	A	B	
Blue Black	2	3	4
Red Green White	1	3	3
Total	2	5	7

c). The definitions of A and B zone



5-1-2 Scratch on the polarizer

Number = 3 max.

Width ≤ 0.1 mm , Length ≤ 6 mm

5-1-3 Dent on the polarizer

Number = 3 max. , Average Diameter ≤ 0.3 mm

5-1-4 Foreign material on the polarizer

Number = 2 max. , Average Diameter ≤ 0.5 mm

5-1-5 Afterimage

After displaying a pattern for 5 seconds then switch to a different pattern, the previous pattern should disappear within 10 seconds.

6.Mechanical Drawing

