

FOR APPROVAL
MODEL : HC6201A

Customer :

RECEIPT STATUS

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Name

Time

Approved by	Checked by	Model	HC6201A
沈文烟	李宜成	Version	1
		Total Pages	6
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韋拓股份有限公司
HEXA-CHAIN CO., LTD.

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1. Scope of Work

This specification shall be applied to model : HC6201A, 6.2" color TFT LCD module

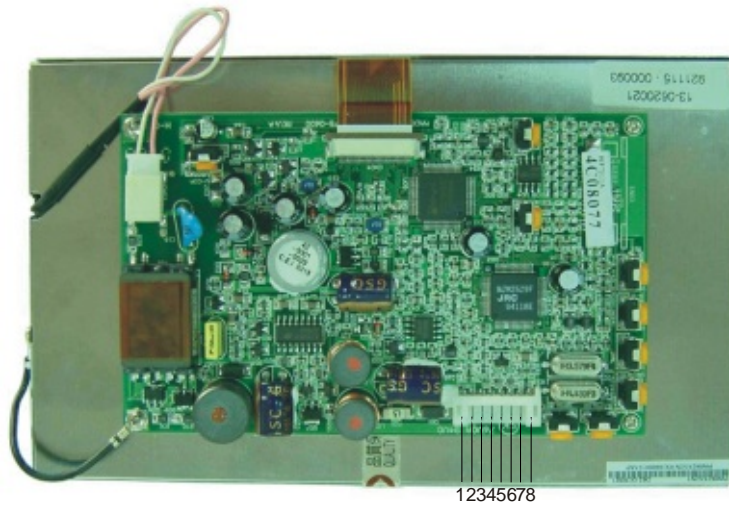
2. Specifications

2-1	Display	:	6.2" color TFT LCD (16:9)	
2-2	Resolution	:	1440(H) x 234(V)	
2-3	Action Area	:	137.52(H) x 77.22(V)	
2-4	Dot Pitch	:	0.114(H) x 0.33(V)	
2-5	Pixel Configuration	:	R.G.B Stripe	
2-6	Back Light	:	CCFL	
2-7	Input Signal	:	NTSC & PAL (auto-switch)	
			composite video signal 1 Vp-p / 75 ohm	
			sync. Negative	
			NTSC	PAL
	fH	:	15.75 KHz	15.625 KHz
	fV	:	60 Hz	50 Hz
	fC	:	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 ~ 30 V	
2-10	Power Consumption	:	8 W max.	
2-11	Operating Temperature	:	-10°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	:	154.4(W) x 92.6(H) x 20(D)	
2-16	Weight	:	206 ± 5 g	

3. Optical Specifications

3-1	Lamp Life-time	:	30,000 hr min. (at Tamb = 25°C)	
3-2	Typ. Viewing Angle	:	Right	50 deg
			Left	50 deg
			Top	15 deg
			Bottom	35 deg
3-3	Brightness	:	Typ. 350 cd/m ²	
3-4	Contrast Ratio	:	Typ. 150	

4. Connector



● CN01 Pitch : 2m/m 8Pin

PIN NO.	Parameter	Color of Wire	Voltage		Current	
			Min.	Max.	Min.	Max.
1	Ground	Black	-----	-----	-----	-----
2	DC input	Red	10V	30V	0.8A	-----
3	-----	-----	-----	-----	-----	-----
4	-----	-----	-----	-----	-----	-----
5	-----	-----	-----	-----	-----	-----
6	-----	-----	-----	-----	-----	-----
7	Ground	Black	-----	-----	-----	-----
8	Video	White	0.8V	1.2V	-----	-----

5. Inspection Standard

5-1 Inspection environment conditions

5-1-1 Room temperature : 20 ~ 25 °C

5-1-2 Humidity : 65 ± 5% RH

5-1-3 The viewing line should be perpendicular to the surface of screen.

5-2 Classification of Defects

5-2-1 Dot defect

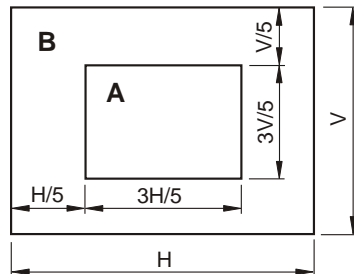
a). Inspection condition

- 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

Ltem	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



5-2-2 Scratch on the polarizer

Number = 3 max.

Width ≤ 0.1 mm , Length ≤ 6 mm

5-2-3 Dent on the polarizer

Number = 3 max. , Average Diameter ≤ 0.3 mm

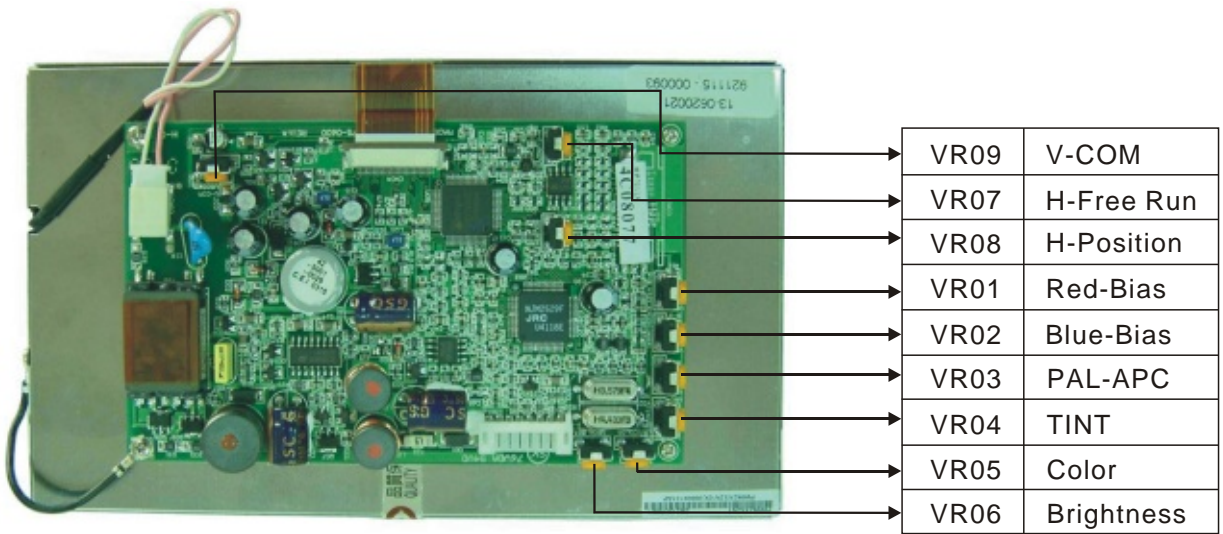
5-2-4 Foreign material on the polarizer

Number = 2 max. , Average Diameter ≤ 0.5 mm

5-2-5 Afterimage

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

6. VR Location



Don't tune VR01/VR02/VR03/VR04/VR07/VR08/VR09
Those VRS are tuned by authorized engineer only.

