

FOR APPROVAL

MODEL : HC8045A1

Customer: _____

RECEIPT STATUS







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Approval Stamp	Approved	Checked	
			
  		Model	HC8045A1
		Version	1
		Total Pages	7
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1. Application

8 " Color TFT LCD Moniror Kits is subject to car monitor, TV monitor and other industrial Equipment. The model name is HC8045A1.

2. Specifications

2-1	LCD Display	
	Screen Size(inch)	8.0 (diagonal)
	Display Format	800x3 (R,G,B)x600 dot
	Active Area(mm)	162(W)x121.5(H)mm
	Pixel Pitch(mm)	0.0675(W) × 0.2025(H)mm
	Pixel Configuration	Stripe
	Back-light	LED
2-2	High Temperature Storage Test	Ta=+80 ,240 hrs
2-3	Low Temperature Storage Test	Ta=-30 ,240 hrs
2-4	High Temperature Operation Test	Ta=+70 ,240 hrs
2-5	Low Temperature Operation Test	Ta=-20 ,240 hrs
2-6	High Temperature & High Humidity Operation Test	Ta=+40 ,90%RH,240 hrs (No Condensation)
2-7	Thermal Cycling Test (non-operating)	-30℃ → +80℃ ,100 Cycles 30min 30min
2-8	Vibration Test (non-operating)	Frequency : 10~55Hz Amplitude : 1mm Sweep time : 11 min Test Period : 6 Cycles for each direction of X,Y,Z
2-9	Shock Test (non-operating)	100G, 6ms Direction : ±X, ±Y, ±Z Cycle : 3 times
2-10	Electrostatic Discharge Test (non-operating)	±2KV Human Body Mode 100pf/1500Ω 1 time / each terminal
2-11	Lamp Life Time	20,000hr
2-12	Brightness	250 cd/m ²
2-13	Contrast Ratio	500
2-14	Response Time	Typ. Tr 15ms
2-15	Weight(g)	290 ±5g
2-16	Outline Dimension	183(W)x141(H)x12(D)mm
2-17	Viewing Angle	Horizontal L/R 70 Vertical up 50 bottom 70

3. Characteristics

3-1 Measure Method

- | | |
|-----------------------|----------------------------------------|
| (1) Power Supply | DC 12V/0.3A (Ripple 0.5V Max.) |
| (2) Power Range | DC 10V (min) ~ 25V (Max.) |
| (3) Power Consumption | 3.75W (Max.) |
| (4) Source Input | Composite Signal Input 1.0 Vp-p/75 ohm |

(5) Environment Temperature

Normal Temperature(20~25°C)

Normal Humidity(60±5%RH)

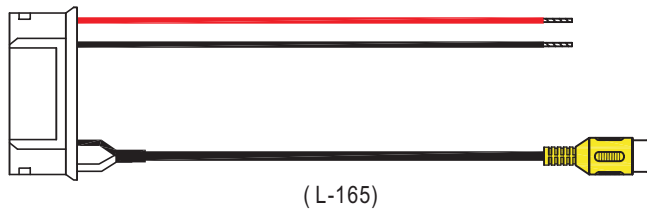
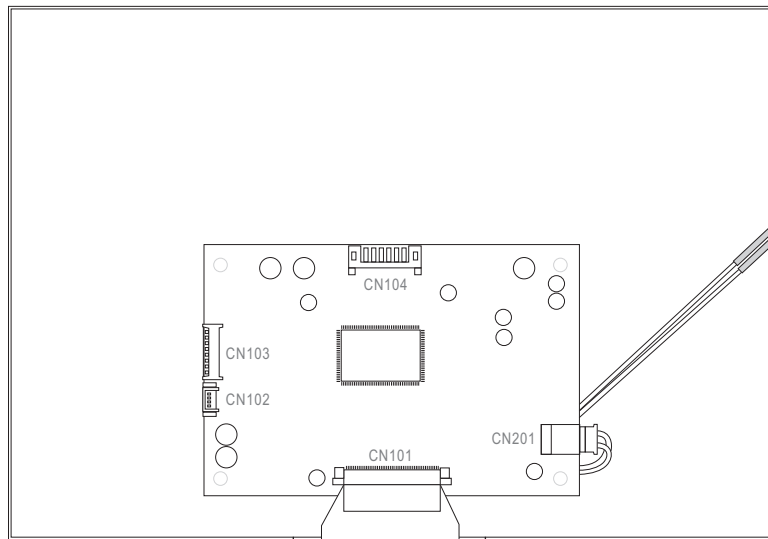
(6) Others

Best Viewing 35cm from monitor kits

3-2 Optical Characteristics

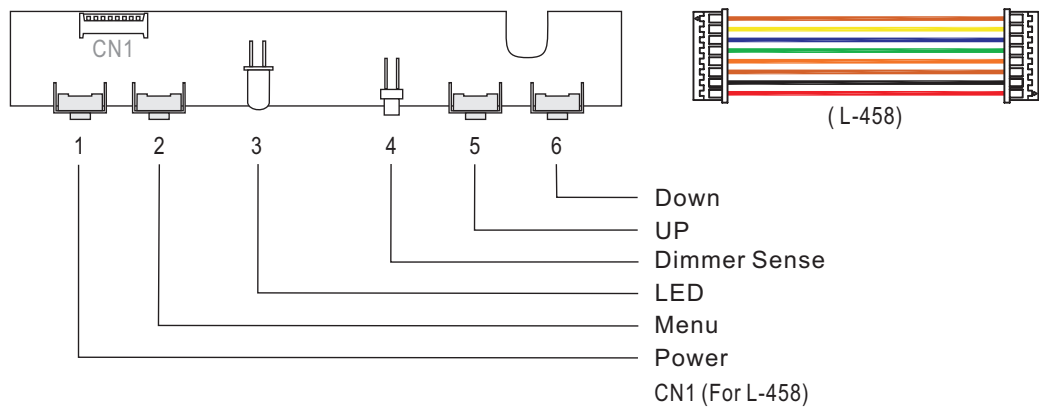
- | | |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| (1) Resolution pixel | 800(R.G.B.)x600
Ten gradation is clearly identified. |
| (2) Gradation | Ten gradation is clearly identified. |
| (3) Brightness | Above 250 cd/m ² ;
Under full white , Power on to warm up
For 2 min. temperature = 25°C,
Contrast= 500 (Max.) |
| (4) Lamp Life | 20,000 hrs (Tamb=25°C) |

4. Connector



Note :
 CN103 : For Key Board
 CN104 : For L-165

■ **Optional** Key Board (05-1143-1000)



1.	Power Switch	To Switch Power ON/OFF
2.	Menu Key	Scrolls the osd menu
3.	LED	Indicate LED
4.	Dimmer Sense	Auto Dimmer
5.	UP Key	Adjusts upward/downward the values of the select option
6.	Down Key	

5. Inspection Standard

5-1 Classification of Defects

5-1-1 Dot defect

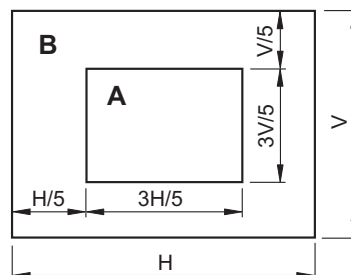
a). Inspection condition

- 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

