

H020HN01

Color TFT-LCD Module

(Mobile Phone Application)

Features

- n High color re-production
- n High open ratio
- n High resolution and contrast ratio
- n With MRT (Micro-reflective Technology)

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Please verify this is the latest information. E&OE

Outline Dimensions

unit: mm

TBD

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Specification

Size	2"
Model	H020HN01
Resolution (pixel)	176x220
Display Mode	Transmissive
Pixel Pitch	0.18x0.18
Active Area (mm)	31.68(H) X 39.6(V)
Outline Dimension	TBD
Pixel configuration	R.G.B. vertical stripe
Number of Colors	65k/262k
Interface*	SPI;Video I/F
Contrast Ratio	200:1
Brightness	150nits
NTSC	60%
View Angle	90(H);80(V)
Viewing direction	6 o'clock
Supply Voltage(V)	2.8V
Operation Temp.	-20~70
Storage Temp.	-30~80
Weight	TBD

*The panel is able to support SPI, CPU I/F, and RGB I/F.
 However, which needs to modify FPC interface

* Pin Assignment:

No	Pin name	I/O	Description
1	VCC	P	DC Power 2.5~3.3V
2	VCC	P	DC Power 2.5~3.3V
3	LED_AN	I	Anode of LED BLU
4	/CS	I	This pin is used for chip select signals.
5	LED_CA	I	Cathode of LED BLU
6	/WR(R,W)	I	This pin is read/write control of serial interface.
7	/RESET	I	When /RESET is L, an internal reset is performed.
8	SI	I	This pin is data input of serial interface.
9	RS	I	Data/command selection
10	SCL	I	This pin is clock input of serial interface.
11	BWS	I	RGB interface bus width selection: 65k/262k
12	SO	O	This pin is data output of serial interface.
13	VSS	P	GND
14	VSYNC	I	This is the vertical sync signal of the RGB interface.
15	VSS	P	GND
16	HSYNC	I	This is the horizontal sync signal of the RGB interface.
17	VSS	P	GND
18	DOTCLK	I	This is the dot clock signal of the RGB interface.
19	VSS	P	GND
20	VSS	P	GND
21	RGB00	I	Red Data (LSB)
22	RGB01	I	Red Data
23	RGB02	I	Red Data
24	RGB03	I	Red Data
25	RGB04	I	Red Data
26	RGB05	I	Red Data (MSB)
27	RGB10	I	Green Data (LSB)
28	RGB11	I	Green Data
29	RGB12	I	Green Data
30	RGB13	I	Green Data
31	RGB14	I	Green Data
32	RGB15	I	Green Data (MSB)
33	RGB20	I	Blue Data (LSB)
34	RGB21	I	Blue Data
35	RGB22	I	Blue Data

36	RGB23	I	Blue Data
37	RGB24	I	Blue Data
38	RGB25	I	Blue Data (MSB)
39	VCC	P	DC Power 2.5~3.3V
40	VCC	P	DC Power 2.5~3.3V

■ I : input , O : output ,
P : power