

HITACHI

Hitachi Displays, Ltd.

TX18D11VM1CAA

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1. Features

- TFT transmissive type
- Wide-VGA
- High brightness
- Wide viewing angle
- small footprint, compact

2. Applications

- mobile devices

3. Specifications

Item	Specifications	Unit
Display Size	7	inch
Display pixels	800(H) x 480(V)	pixels
Pixel pitch	0.1905(H) x 0.1905(V)	mm
Active area	152.4(H) x 91.44(V)	mm
Number of colors	262,144	colors
Contrast(CR)	200:1	-
Brightness	400	cd/m ²
Response time(Ton+ Toff)	30	ms
Viewing Angle(CR>=5)	65/65(R/L), 45/60(U/D)	°
Power supply voltage	3.3	V
Power consumption (without inveter)	5.0	W
Back-light	Side light system, CFL 1 tube	-
External dimensions	165.0(W) x 106(H) x 10.5 max.(T)	mm
Weight	170	gram
Interface	18 bit digital RGB(CMOS)	-

4. INTERFACE PIN CONNECTION

4.1 TFT-LCD MODULE

CN1

<JAE ; FA5B040HF1R3000>

Pin No.	Symbol	Description	Note
1	VDD	Power Supply (typ.+ 3.3V)	1)
2	VDD		
3	VDD		
4	VDD		
5	NC	Non-Connect	3)
6	DTMG	Display Timing	
7	VSS	GND(0V)	2)
8	VSYNC	Vertical Sync	
9	VSS	GND(0V)	2)
10	HSYNC	Horizontal Sync	
11	VSS	GND(0V)	2)
12	B5	Blue Data	
13	B4		
14	B3		
15	VSS	GND(0V)	2)
16	B2	Blue Data	
17	B1		
18	B0		
19	VSS	GND(0V)	2)
20	G5	Green Data	
21	G4		
22	G3		
23	VSS	GND(0V)	2)
24	G2	Green Data	
25	G1		
26	G0		
27	VSS	GND(0V)	2)
28	R5	Red Data	
29	R4		
30	R3		
31	VSS	GND(0V)	2)
32	R2	Red Data	
33	R1		
34	R0		
35	NC	Non-Connect	
36	VSS	GND(0V)	2)
37	VSS	GND(0V)	2)
38	DCLK	Dot Clock	
39	VSS	GND(0V)	2)
40	VSS	GND(0V)	2)

Notes 1) All VDD pins shall be connected to + 3.3V(Typ.).

2) All VSS pins shall be grounded. Metal bezel is internally connected to VSS.

3) Unconnected to the module

4.2 BACK-LIGHT UNIT

CN2

<J.S.T. ; BHR-03VS-1>

Pin No.	Symbol	Description	Note
1	VL	Power Supply	
2	NC	No connection	
3	GND	GND(0V)	

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