



Feature

1. 320x240 dots FSTN
2. 4-bit data bus
3. 1/240 duty cycle
4. Built-in P/V output

Pin Assignment

Pin	Symbol	Function
1	CP	Data latch
2	LP	Data shift
3	FLM	scun start-up signal
4	M	Control signal for AC driving
5	D0	Data bus line
6	D1	Data bus line
7	D2	Data bus line
8	D3	Data bus line
9	VLCD	Power supply for LCD
10	VCC	Power supply for logic
11	VSS	GND
12	BLE	H:EL Enable L:EL Disable
13	K	Power supply for B/L
14	A	Power supply for B/L
15	DISP	Display Enable Signal
16	VEE/FR	FRAME

Mechanical Data

Item	Standard Value	Unit
Module Dimension	94.7 x 71.7	mm
Viewing Area	81.4 x 61.0	mm
Dot Size	0.225 x 0.225	mm
Dot Pitch	0.24 x 0.24	mm
Mounting hole	85.3 x 83.3	mm

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	3.3	3.5	3.6	V
Input Voltage	VI	0.8V _{DD}	--	VDD	V

Note: VSS=0 Volt, VDD=5.0 Volt.

Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	L level	0.8V _{DD}	--	V _{DD}	V
	VIO	H level	V _{SS}	--	0.2V _{DD}	V
Supply Current	IDD	VDD=3.5	--	1.3	--	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-V0	-20°C	--	--	--	V
		0°C	--	--	--	
		25°C	--	21.6	--	
		50°C	--	--	--	
		70°C	--	--	--	