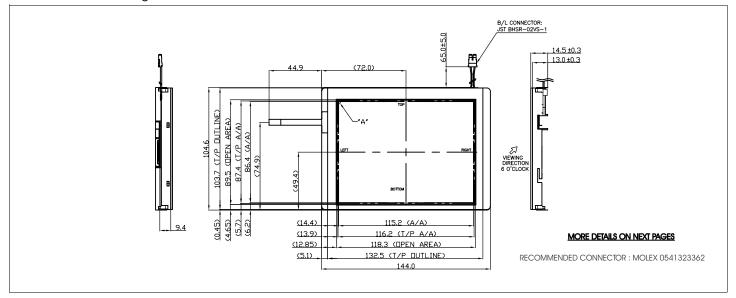
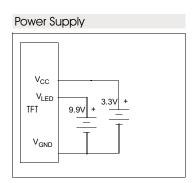
## **Dimensional Drawing**



Features	
Viewing Angle(H/V)	120/105 degrees
High Contrast	400:1
Fast Response Time	45 msec
Built-in DC-DC Converter	
Built-in Controller	none
Touch Screen	optional

Physical Data	
Module Size	144.0W x104.6H x 13.0T mm
Viewing Area Size	115.2W x 86.4H mm
Dot Pitch	0.060W x 0.180H mm
Weight	216g



Absolute Maximum Ratings				
PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V <sub>CC</sub>	-0.3	4.3	٧
BACKLIGHT CURRENT (LED )	I <sub>LED</sub>	1	175	mA
BACKLIGHT VOLTAGE (LED )	V[ED	-	15	V
INPUT VOLTAGE	V <sub>IN</sub>	-0.3	$V_{DD} + 0.3$	V
OPERATING TEMPERATURE	T <sub>OP</sub>	-20	70	°C
STORAGE TEMPERATURE	T <sub>STG</sub>	-30	80	°C

Electrical Characteristics (VCC=3.3±0.125V 25°C)						
PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	∨ <sub>CC</sub>	-	3.0	3.3	3.6	V
INPUT HIGH VOLTAGE	V <sub>IH</sub>	-	0.7VDD	-	VDD	V
INPUT LOW VOLTAGE	V <sub>IL</sub>	-	0	-	0.3VDD	V
OPERATING CURRENT	Icc	=	-	TBA		mA
LED OPERATING VOLTAGE	V <sub>LED</sub>	$I_F = 140  \text{mA}$	-	9.9	-	V
OPERATING CURRENT	I <sub>FLED</sub>		-	140	-	mA
POWER CONSUMPTION	PD	-	-	TBA	-	W
BRIGHTNESS	L	Average	280	340	-	cd/m <sup>2</sup>

Pin Connections			
PIN NO	SYMBOL	FUNCTION	
1	VSS	- Ground Pin	
2	CLK	H/L	Data Sammpling Clock
3	Hsync	L	Horizontal Sync
4	Vsync	L	Vertical Sync.
5	VSS	-	Ground Pin
6	RO	H/L	Red Data Signal (LSB)
7	R1	H/L	Red Data Signal
8	R2	H/L	Red Data Signal
9	R3	H/L	Red Data Signal
10	R4	H/L	Red Data Signal
11	R5	H/L	Red Data Signal (MSB)
12	VSS	-	Ground Pin
13	G0	H/L	Green Data Signal (LSB)
14	G1	H/L	Green Data Signal
15	G2	H/L	Green Data Signal
16	G3	H/L	Green Data Signal
17	G4	H/L	Green Data Signal
18	G5	H/L	Green Data Signal (MSB)
19	VSS	-	Ground Pin
20	BO	H/L	Blue Data Signal (LSB)
21	B1	H/L	Blue Data Signal
22	B2	H/L	Blue Data Signal
23	В3	H/L	Blue Data Signal
24	B4	H/L	Blue Data Signal
25	B5	H/L	Blue Data Signal
26	VSS	-	Ground Pin
27	DEN		Data Enable Input
28	VCC	-	3.3V Power Supply
29	VCC	-	3.3V Power Supply
30	REV	H/L	Horizontal Display Mode
31	VSS	-	Ground Pin
32	DISP	H/L	ON/OFF Control Input
33	VSS	-	Ground Pin



