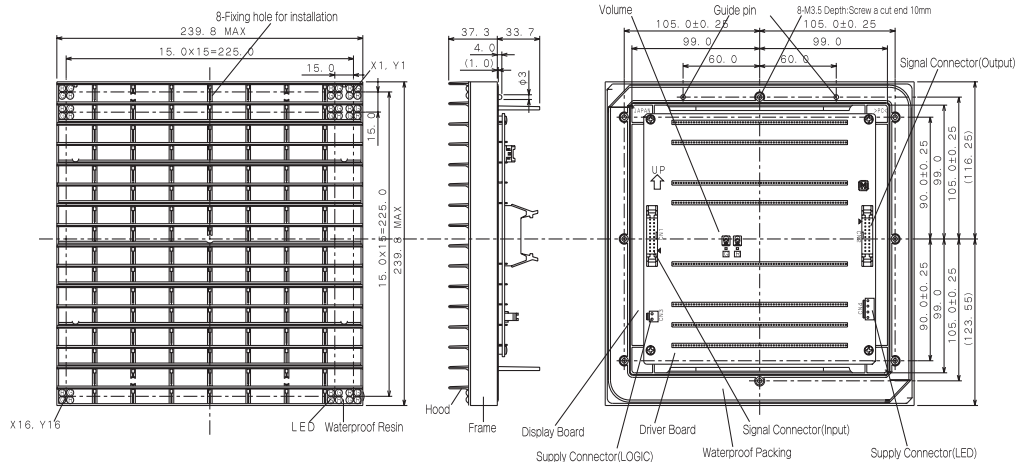


# PANEL DISPLAY UNITS

240 × 240 mm

13 mm 16 × 16 Dots LNP129011

Outline Drawing



## Absolute Maximum Ratings (Ta = 25°C)

Item	Symbol	Ratings	Unit
Supply Voltage for Logic	V <sub>CC</sub>	- 0.3 ~ + 5.5	V
Supply Voltage for LED	V <sub>LED</sub>	Max 5.5	V
Input Voltage	V <sub>in</sub>	- 0.3 ~ V <sub>CC</sub> + 0.3	V
Operating Ambient Temperature	Topr	- 20 ~ + 45	°C
Storage Temperature	Tstg	- 30 ~ + 85	°C

## Main Specifications (Ta = 25°C)

Item	Symbol	Ratings	Unit	
Display Colors		Red, Green, Amber		
Dot Diameter		13 × 13	mm	
Dots Pitch		15.0	mm	
Dot Total Number		256 (16 × 16)		
Display Surface Size		240 × 240	mm	
Brightness (when lighting all lamps)	B	Red : 2,000 Green : 1,200 Controllable	cd/m <sup>2</sup>	
Operating Method		Static lighting		
Clock Frequency	CLK	Max 5	MHz	
for Logic	Supply Voltage	V <sub>CC</sub>	5.0 ± 0.25	V
	Supply Current	I <sub>CC</sub>	Max 1.5	mA
for LED	Supply Voltage	V <sub>LED</sub>	5.0 ± 0.2	V
	Supply Current	I <sub>LED</sub>	Max 8.9 when two colors are all turned "ON"	A
Viewing Angle (50 % Luminous)	2θ 1/2	Min 40	°	
Weight		1100	g	

As it is under development the standard values are for reference.