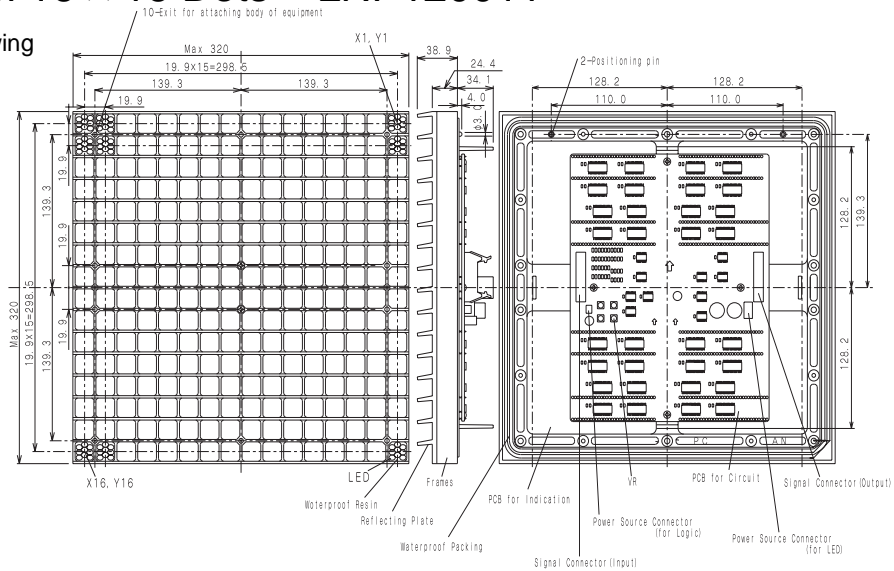


PANEL DISPLAY UNITS

320 × 320 mm

18 mm 16 × 16 Dots LNP120011

Outline Drawing



Absolute Maximum Ratings (Ta = 25°C)

Item	Symbol	Ratings	Unit
Supply Voltage for Logic	V _{CC}	- 0.3 ~ + 5.5	V
Supply Voltage for LED	V _{LED}	Max 8.0	V
Input Voltage	V _{in}	- 0.3 ~ V _{CC} + 0.3	V
Operating Ambient Temperature	T _{opr}	- 20 ~ + 45	°C
Storage Temperature	T _{stg}	- 30 ~ + 85	°C

Main Specifications (Ta = 25°C)

Item	Symbol	Ratings	Unit	
Display Colors		Red, Green, Amber		
Dot Diameter		18 × 18	mm	
Dots Pitch		19.9	mm	
Dot Total Number		256 (16 × 16)		
Display Surface Size		Max. 320 × 320	mm	
Brightness (when lighting all lamps)	B	Red : 1,800 Green : 1,000 Controllable	cd/m ²	
Operating Method		Static lighting		
Clock Frequency	CLK	Max 5	MHz	
for Logic	Supply Voltage	V _{CC}	5.0 ± 0.25	V
	Supply Current	I _{CC}	Max 1.5	mA
for LED	Supply Voltage	V _{LED}	7.5 ± 0.2	V
	Supply Current	I _{LED}	Max 12 when two colors are all turned "ON"	A
Viewing Angle (50 % Luminous)	2θ 1/2	Min 70	°	
Weight		2,400	g	