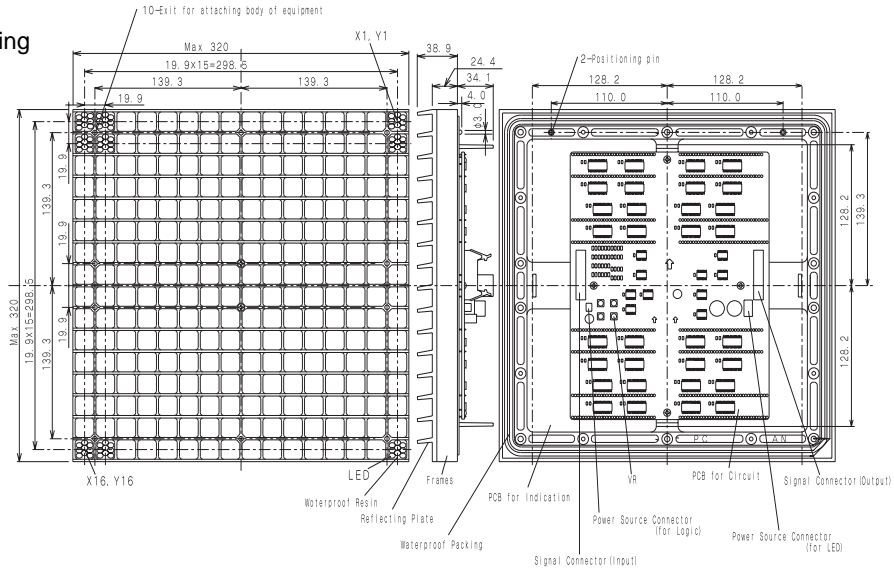


PANEL DISPLAY UNITS

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	

Caution for Safety

 **DANGER**

Gallium arsenide material (GaAs) is used in this product.

Therefore, do not burn, destroy, cut, crush, or chemically decompose the product, since gallium arsenide material in powder or vapor form is harmful to human health.

Observe the relevant laws and regulations when disposing of the products. Do not mix them with ordinary industrial waste or household refuse when disposing of GaAs-containing products.

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