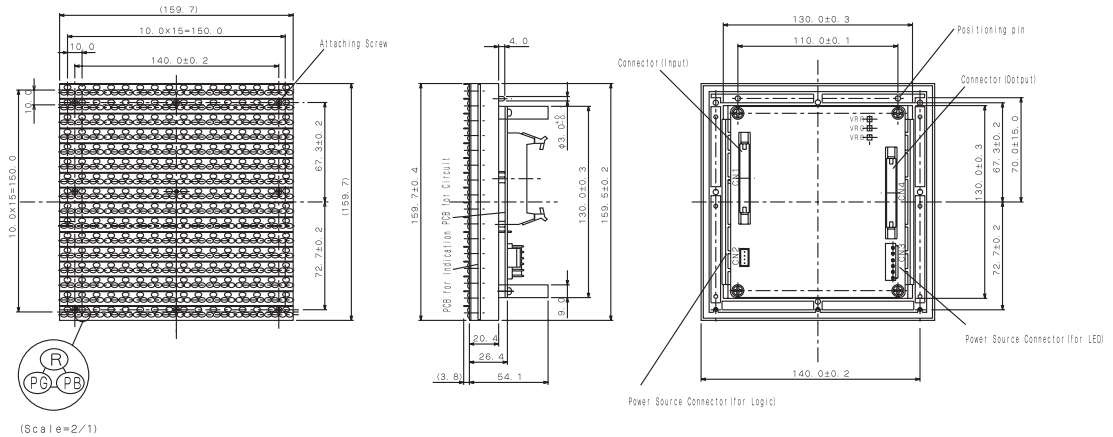


FULL COLOR PANEL DISPLAY UNITS

160 × 160 mm

□ 10 mm 16 × 16 Dots LNP728021

■ Outline Drawing



■ Absolute Maximum Ratings (Ta = 25°C)

Item	Symbol	Ratings	Unit
Supply Voltage for Logic	V _{CC}	- 0.3 ~ + 5.25	V
Supply Voltage for LED	V _{LED}	R: + 3.2 PG: + 5.0 PB: + 5.0	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 ~ + 80	°C

■ Main Specifications (Ta = 25°C)

Item	Symbol	Ratings	Unit	
Display Colors		Full Color (Red, Green, Blue)		
Display Surface Size		160 × 160	mm	
Dot Total Number		256 (□10 16 × 16)		
Dot Structure		R:1 PG:1 PB:1		
Dots Pitch		10.0	mm	
Brightness(when lighting all lamps)	B	(W):5000	cd/m ²	
Area Gradation		R:PG:PB 256 gradation for each color		
Peak Emission Wavelength (Typ)	λ _p	R:620 PG:525 PB:468	nm	
Viewing Angle (50% Luminous)	2θ 1/2	Level 120, Up10, Down30	°	
Operating Method		1/4(Duty) Dynamic lighting		
Date Forward Frequency		8	MHz	
Clock Frequency		500	KHz	
for Logic	Supply Voltage	V _{CC}	5.0 ± 0.25	V
	Supply Current	I _{CC}	Max 0.5	A
for LED	Supply Voltage	V _R	3.0	V
		V _{PG} ·V _{PB}	4.8	
	Supply Current	I _R	Max 3.4	A
		I _{PG}	Max 2.5	
I _{PB}		Max 1.0		
Mass		610	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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