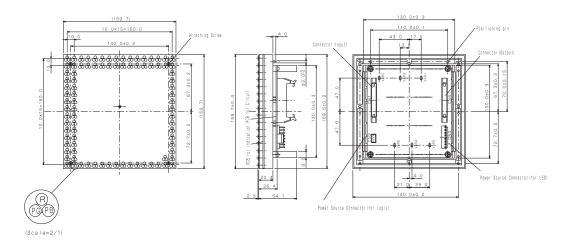
FULL COLOR PANEL DISPLAY UNITS

$160 \times 160 \text{ mm}$

\Box 10 mm 16 × 16 Dots LNP728031

■ Outline Drawing



■ Absolute Maximum Ratings (Ta = 25°C)

Item	Symbol	Ratings	Unit
Supply Voltage for Logic	V _{CC}	<i>−</i> 0.3 ~ + 5.25	V
Supply Voltage for LED	V _{LED}	R: + 3.2 PG: + 5.0 PB: + 5.0	V
Input Voltage	Vin	$-0.3 \sim V_{CC} + 0.3$	V
Operating Ambient Temperature	Topr	<i>−</i> 20 ~ + 45	°C
Storage Temperature	Tstg	− 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 Tot	al Number		256 (□10 16×16)	
Dot Stru	icture		R:1 PG:1 PB:1	
Dots Pit	ch		10.0	mm
Brightne	ess(when lighting all lamps)	В	R:700 PG:1570 PB:230(W):2500	cd/m ²
Area Gr	adation		R:PG:PB 256 gradation for each color	
Peak En	nission Wavelength (Typ)	λp	R:620 PG:525 PB:468	nm
Viewing	g Angle (50% Luminous)	2θ 1/2	Level 140, Up 50, Down 70	0
Operatio	ng Method		1/8 (Duty) Dynamic lighting	
Date Fo	rward Frequency		8	MHz
Clock F	requency		500	KHz
	Supply Voltage	V _{CC}	5.0 ± 0.25	V
for Logic	Supply Current	I _{CC}	Max 0.5	Α
for LED	Supply Voltage	V_R $V_{PG} \cdot V_{PB}$	3.0 4.8	V
	Supply Current	I_R I_{PG} I_{PB}	Max 3.4 Max 3.1 Max 2.0	A
Mass			500	g

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Caution for Safety



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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