## LNP173014

### Pandel Display Units

#### **RG** Type

#### ■ Structure

• Illumination color: Red, Green, Amber (Red and Green lighting)

• Display surface:  $128 \text{ mm} \times 64 \text{ mm}$ • Number of dots (dot):  $512 (32 \times 16 \text{ dot})$ 

• Dot size: 1.6 mm × 1.25 mm

• Dot pitch: 4.0 mm

#### ■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Operating supply voltage	V <sub>CC</sub>	-0.3 to +5.5	V
LED operating supply voltage	V <sub>LEDA</sub>	Max. +5.5	V
Input voltage	V <sub>IN</sub>	$-0.3$ to $V_{CC} + 0.3$	V
Operating ambient temperature	T <sub>opr</sub>	-10 to +45	°C
Storage temperature	T <sub>stg</sub>	-25 to +80	°C

#### ■ Recommending Operating Conditions $T_a = 25$ °C±3°C

Parameter	Symbol	Min	Тур	Max	Unit
Operating supply voltage	V <sub>CC</sub>	4.75	5.00	5.25	V
LED operating supply voltage	V <sub>LEDA</sub>	4.80	5.00	5.20	V
Input voltage	V <sub>IN</sub>	0.00	1011 11 <u>8</u>	V <sub>CC</sub>	V

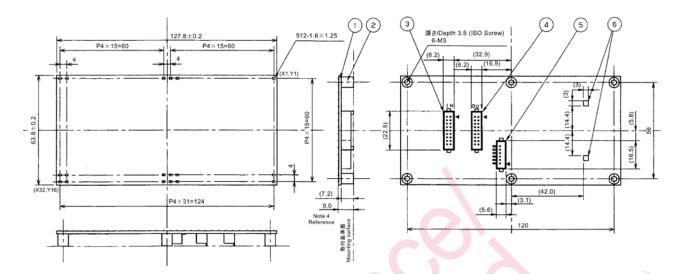
### ■ Electro-Optical Characteristics $T_a = 25$ °C±3°C, $V_{CC} = V_{LEDA} = 5.0 \text{ V}$

Parameter	Symbol	in let will	Specification	Unit
Brightness		Red	Typ. 150	cd/m <sup>2</sup>
		Green	Typ. 150	cd/m <sup>2</sup>
Drive system	- <del></del>	Duty 1/16 Dynamic lighting		_
Clock frequency	$f_{CLK}$	Max. 20		MHz
Supply current (Logic) *	I <sub>CC(LOGIC)</sub>	Max. 0.1		A
Supply current (LED) *	I <sub>CC(LED)</sub>	Max. 5.2		A

Note) \*: Two-color all lighting

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#### ■ Package (Unit: mm)



- Part name
  - 1. Printed board
  - 2. Boss
  - 3. Signal connector (input)
  - 4. Signal connector (output)
  - 5. Supply connector
  - 6. Volume

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