# LNP075244F

### Panel Display Units

#### White Type

#### Structure

- Illumination color: White
- Display surface: 192 mm × 96 mm
- Number of dots (dot): 512  $(32 \times 16 \text{ dot})$
- Dot pitch: 6.0 mm

#### Absolute Maximum Ratings $T_a = 25^{\circ}C$

Parameter	Symbol	Rating	Unit
Operating supply voltage	V <sub>CC</sub>	-0.3 to +5.25	V
LED operating supply voltage	V <sub>LEDA</sub>	+5.2	V
Input voltage	V <sub>IN</sub>	-0.3 to V <sub>CC</sub> $+0.3$	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 $T_a = 25^{\circ}C \pm 3^{\circ}C$

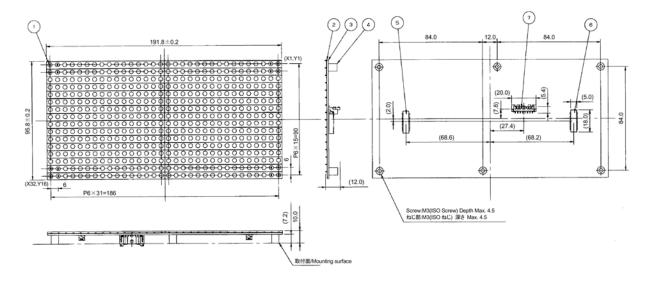
Parameter	Symbol	Min	Тур	Max	Unit
Operating supply voltage	V <sub>CC</sub>	4.75	5.0	5.25	V
LED operating supply voltage	V <sub>LEDA</sub>	4.80	5.0	5.20	V
Input voltage	V <sub>IN</sub>	0.00		V <sub>CC</sub>	V

#### Electro-Optical Characteristics $T_a = 25^{\circ}C$ , $V_{CC} = V_{LEDA} = 5.0 V$

Parameter	Symbol		Unit	
Brightness	_	White	Тур. 1600	cd/m <sup>2</sup>
Modulated light		8 stage		
Viewing angle	20 <sub>1/2</sub>	Horizontal direction	170	0
Drive system		Duty 1/16 Dynamic lighting		
Clock frequency	f <sub>CLK</sub>	Max. 10		MHz
Supply current (Logic) *	I <sub>CC(LOGIC)</sub>	Max. 0.3		А
Supply current (LED) *	I <sub>CC(LED)</sub>	Max. 3.0		А

Note) \*: Full-color lighting

#### Package (Unit: mm)



#### • Part name

- 1. Chip LED
- 2. Reflecting plate
- 3. Printed board
- 4. Boss
- 5 Signal connector (input)
- 6 Signal connector (output)
- 7. Supply connector

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