LNP123071

Pandel Display Units

RG Type

■ Structure

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

• Display surface: 64 mm × 64 mm

• Number of dots (dot): 256 (16 × 16 dot)

Dot size: \$\phi\$ 3.0 mmDot pitch: 4.0 mm

■ Absolute Maximum Ratings $T_a = 25$ °C

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

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

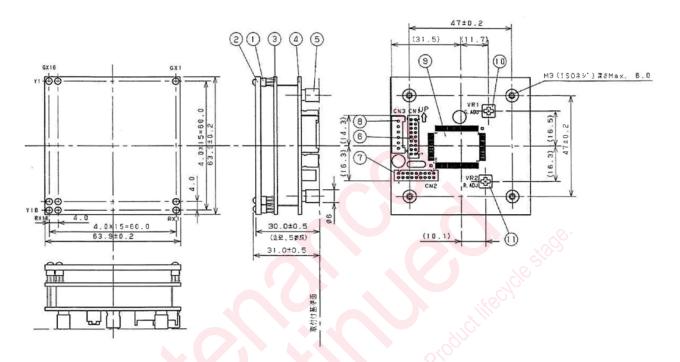
Parameter	Symbol	Min	Тур	Max	Unit
Operating supply voltage	V _{CC}	4.75	5.00	5.25	V
LED operating supply voltage	V _{LEDA}	4.80	5.00	5.20	V
Input voltage	V _{IN}	0.00	11 11 11 11 11 11 11 11 11 11 11 11 11	Vcc	V

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

Parameter	Symbol	Specification		Unit
Brightness	_	Red	Typ. 400	cd/m ²
		Green	Typ. 300	cd/m ²
Drive system	_	Duty 1/16 Dynamic lighting		_
Clock frequency	f_{CLK}	Max. 20		MHz
Supply current (Logic) *	I _{CC(LOGIC)}	Max. 0.03		A
Supply current (LED) *	I _{CC(LED)}	Max. 1.9		A

Note) *: Two-color all lighting

■ Package (Unit: mm)



- Part name
 - 1. LED
 - 2. Reflector
 - 3. Display board
 - 4. Driver board
 - 5. Boss
 - 6. Signal connector (input)
 - 7. Signal connector (output)
 - 8. Supply connector
 - 9. IC
 - 10. Volume
 - 11. Volume

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