LNP193024

Pandel Display Units

RG Type

■ Structure

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

• Display surface: 192 mm × 96 mm

• Number of dots (dot): 1152 (48 × 24 dot)

• Dot size: 3.2 mm × 2.5 mm, Dome type chip LED

• Dot 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	$V_{\rm IN}$	-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

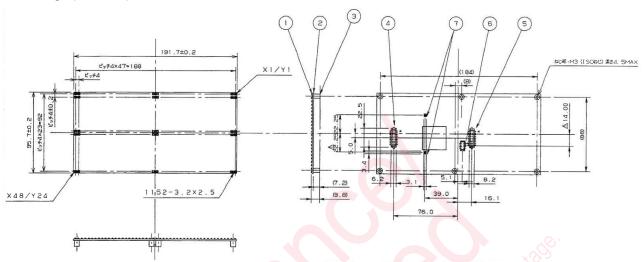
Parameter	Symbol	Min	Тур	Max	Unit
Operating supply voltage	V _{CC}	4.75	5.00	5.25	V
LED operating supply voltage	V _{LEDA}	4.80	5.00	5.20	V
Input voltage	V _{IN}	0.00	1 :10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	V _{CC}	V

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

Parameter	Symbol	Specification	Unit
Brightness		Red Typ. 250	cd/m ²
	_	Green Typ. 200	cd/m ²
Drive system	_	Duty 1/24 Dynamic lighting	_
Clock frequency	f_{CLK}	Max. 10	MHz
Supply current (Logic) *	I _{CC(LOGIC)}	Max. 0.1	A
Supply current (LED) *	I _{CC(LED)}	Max. 7.0	A

Note) *: Two-color all lighting

■ Package (Unit: mm)



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

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