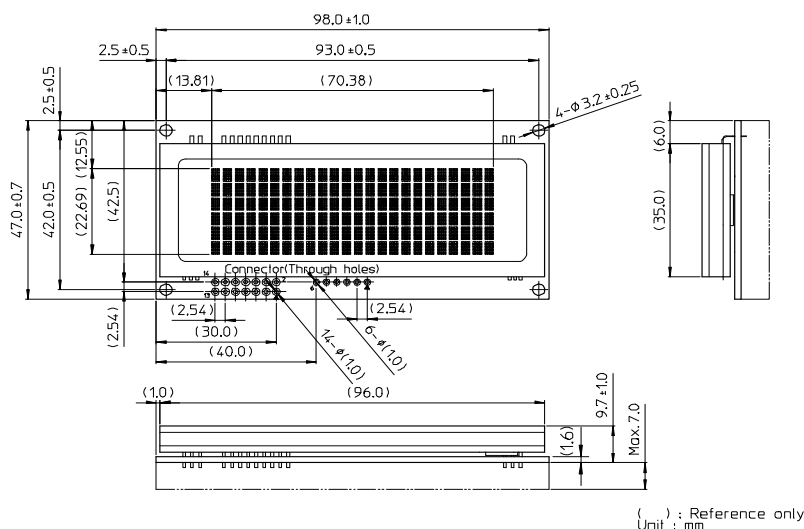Noritake itron

CU24063−Y100

SIMPLIFIED DATASHEET

■ Features

24 character x 6 line display.
Compact, but capable of displaying large amount of text.

■ Physical dimension

( ) : Reference only
Unit : mm

Specifications

■ Electrical Ratings

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Power supply Voltage	VCC	4.75	5.00	5.25	VDC	−

■ Electrical Characteristics

#1: Brightness 100% #2: Brightness 200%

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
'L' Logic Input Current						
D0−D7, /WR, /RESET	IIL	−	−	−0.15	mA	VIN=0V
'H' Logic Input Current						
D0−D7	IIH1	−	−	5.0	μA	VIN=5V
/WR, /RESET	IIH2	−	−	0.25	μA	VIN=5V
Logic input resistance						
SIN	RIN	3	−	−	KOhm	−
'L' Logic Input Voltage						
D0−D7, /WR	VIL1	0	−	0.2VCC	VDC	−
/RESET	VIL2	0	−	0.8	VDC	−
SIN	VIL3	−15	−	0.5	VDC	−
'H' Logic Input Voltage						
D0−D7, /WR,/RESET	VIH1	0.8VCC	−	VCC	VDC	−
SIN	VIH2	3.0	−	+15	VDC	−
'L' Logic Output Voltage						
PBUSY	VOL1	−	−	0.1	VDC	IOL=50μA
SBUSY	VOL2	0	−	0.5	VDC	RL = 3KOhm
'H' Logic Output Voltage						
PBUSY	VOH1	VCC-0.1	−	−	VDC	IOH=−50μA
SBUSY	VOH2	4.0	−	VCC	VDC	RL = 3KOhm
Power Supply Current #1	ICC1-1	−	320	400	mADC	Display ON
Power Supply Current #1	ICC2-1	−	260	330	mADC	Display OFF
Power Supply Current #2	ICC1-2	−	420	530	mADC	Display ON
Power Supply Current #2	ICC2-2	−	310	390	mADC	Display OFF
Power Supply Current 3	ICC3	−	25	35	mADC	Disp. Pwer OFF
Power Consumption #1		−	1.6	2.0	W	Display ON
Power Consumption #2		−	2.1	2.65	W	Display ON

■ Optical Characteristics

#1: Brightness 100% #2: Brightness 200%

Parameter	
Luminance	350 cd/m^2 Min.
#1	1000 cd/m^2 Typ.
#2	2000 cd/m^2 Typ.
Color of illumination	Green (Blue−Green)

■ Environmental Conditions

Parameter	
Operating Temperature	−40 ~ +85 degrees celsius
Storage Temperature	−40 ~ +85 degrees celsius
Operating Humidity	20 ~ 80% R.H. (non−condensing)
Storage Humidity	20 ~ 80% R.H. (non−condensing)
Vibration (Non operation)	10−55−10Hz, all amplitude 1mm, 30 minutes, X−Y−Z
Shock (Non operation)	392m/s2 (40G) 9ms X−Y−Z, 3 times each direction

■ Physical Specifications

Parameter	*ANK(Alphabet, Numeric, Kana)
Number of Char.	144 (24 characters ×6 lines)
Built−in Fonts	5x8 ANK, International font
Display Area	70.38 x 22.69 mm (X x Y)
Character Size	2.07 x 3.34 mm (X x Y)
Character Pitch	2.97 mm
Line pitch	3.87 mm
Weight	About 56 g

■ Interface

Parallel (CMOS), Asynchronous Serial (RS232)

■ Pin Assignment (Parallel)

Pin No.	Signal	Pin No.	Signal
1	GND	2	Vcc
3	PBUSY	4	/RESET
5	/WR	6	NC
7	D0(LSB)	8	D1
9	D2	10	D3
11	D4	12	D5
13	D6	14	D7(MSB)

(Serial)

Pin No.	Signal	Baud Rate Setting
1	Vcc	9600bps
2	SIN	19200bps
3	GND	38400bps*
4	SBUSY	115200bps
5	NC	(*:factory default)
6	/RESET	

■ Functions

Parameter
Highlight Function
Font Magnification
Horizontal scroll mode
Blink ON/OFF
Power save mode
Screen saver
Cursor, Underline ON/OFF
User Font function
etc.

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