

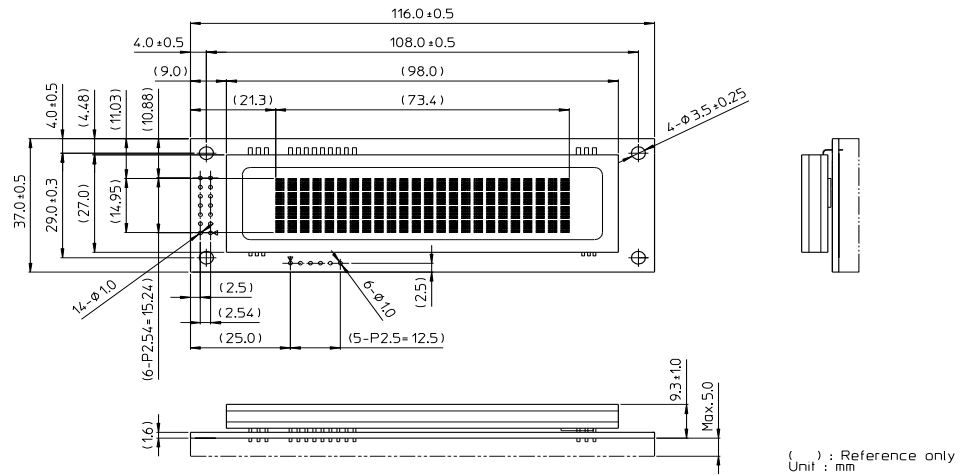
CU24043-Y100

SIMPLIFIED DATASHEET

■ Features

24 character x 4 line display.
Compact, but capable of displaying large amount of text.

■ Physical dimension



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Specifications

■ Electrical Ratings

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

■ Electrical Characteristics

Parameter	Symbol	Min.	#1: Brightness 200%		#2: Brightness 100%	
			Typ.	Max.	Unit	Condition
'L' Logic Input Current D0-D7, /WR, /RESET	IIL	-	-	-0.15	mA	VIN=0V
'H' Logic Input Current D0-D7 /WR, /RESET	IIH1 IIH2	-	-	5.0 0.25	μA	VIN=5V
Logic input resistance SIN	RIN	3	-	-	KOhm	-
'L' Logic Input Voltage D0-D7, /WR /RESET SIN	VIL1 VIL2 VIL3	0	-	0.2VCC 0.8 0.5	VDC	-
'H' Logic Input Voltage D0-D7, /WR, /RESET SIN	VIH1 VIH2	0.8VCC	-	VCC +15	VDC	-
'L' Logic Output Voltage PBUSY SBUSY	VOL1 VOL2	-	-	0.1 0.5	VDC	IOL=50 μA RL=3KOhm
'H' Logic Output Voltage PBUSY SBUSY	VOH1 VOH2	VCC-0.1	-	- VCC	VDC	IOH=50 μA RL=3KOhm
Power Supply Current #1	ICC1-1	-	220	280	mADC	Display ON
Power Supply Current #1	ICC2-1	-	190	240	mADC	Display OFF
Power Supply Current #2	ICC1-2	-	280	350	mADC	Display ON
Power Supply Current #2	ICC2-2	-	220	280	mADC	Display OFF
Power Supply Current 3	ICC3	-	25	35	mADC	Disp. Pwer OFF
Power Consumption #1		-	1.1	1.4	W	Display ON
Power Consumption #2		-	1.4	1.75	W	Display ON

■ Optical Characteristics

Parameter	#1: Brightness 200%		#2: Brightness 100%	
	Min.	Typ.	Max.	Unit
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	Condition
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/s ² (40G) 9ms X-Y-Z, 3 times each direction

■ Physical Specifications

Parameter	Value
Number of Char.	96 (24 characters × 4 lines)
Built-in Fonts	5 x 8 ANK, International font
Display Area	73.4 x 14.95 mm (X x Y)
Character Size	2.1 x 3.34 mm (X x Y)
Character Pitch	3.1 mm
Line pitch	3.87 mm
Weight	About 48 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	Function
Highlight Function	
Font Magnification	
Horizontal scroll mode	
Blink ON/OFF	
Power save mode	
Screen saver	
Cursor, Underline ON/OFF	
User Font function	
etc.	

