

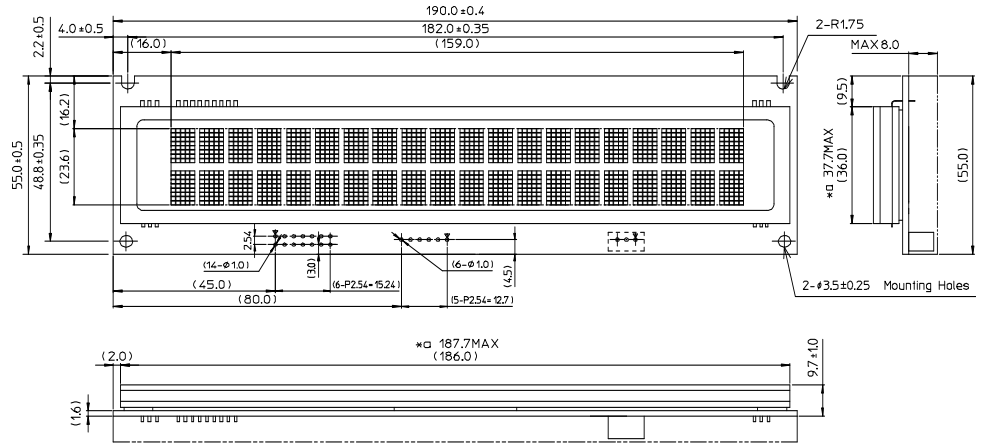
# CU200211-Y100

## SIMPLIFIED DATASHEET

### Features

20 character x 2 line display.  
Largest character size display in the series.

### Physical dimension



( ) Reference only  
Unit:mm  
\*a including extra frit glass

### Get full specification



Click here to go to request form.

### 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 200% #2: Brightness 100%

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 /WR, /RESET	IIH1 IIH2	-	-	5.0 0.25	μA μA	VIN=5V VIN=5V
Logic input resistance SIN	RIN	3	-	-	KOhm	-
'L' Logic Input Voltage D0-D7, /WR /RESET SIN	VIL1 VIL2 VIL3	0 0 -15	- - -	0.2VCC 0.8 0.5	VDC VDC VDC	- - -
'H' Logic Input Voltage D0-D7, /WR, /RESET SIN	VIH1 VIH2	0.8VCC 3.0	- -	VCC +15	VDC VDC	- -
'L' Logic Output Voltage PBUSY SBUSY	VOL1 VOL2	- 0	- -	0.1 0.5	VDC VDC	IOL=50 μA RL = 3KOhm
'H' Logic Output Voltage PBUSY SBUSY	VOH1 VOH2	VCC-0.1 4.0	- -	- VCC	VDC VDC	IOH=-50 μA RL = 3KOhm
Power Supply Current #1	ICC1-1	-	720	920	mADC	Display ON
Power Supply Current #1	ICC2-1	-	560	720	mADC	Display OFF
Power Supply Current #2	ICC1-2	-	980	1260	mADC	Display ON
Power Supply Current #2	ICC2-2	-	640	820	mADC	Display OFF
Power Supply Current 3	ICC3	-	18	30	mADC	Disp. Power OFF
Power Consumption #1		-	3.6	4.6	W	Display ON
Power Consumption #2		-	5.0	6.4	W	Display ON

#### Optical Characteristics

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminance		350 cd/m <sup>2</sup> Min.				
	#1	1000 cd/m <sup>2</sup> Typ.				
	#2	2000 cd/m <sup>2</sup> Typ.				
Color of illumination		Green (Blue-Green)				

#### Environmental Conditions

Parameter	Symbol	Min.	Typ.	Max.	Unit	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 <sup>2</sup> (40G) 9ms X-Y-Z, 3 times each direction				

#### Physical Specifications

Parameter	Value
Number of Char.	40 (20 characters x 2 lines)
Built-in Fonts	5 x 8 ANK, International font
Display Area	159.0 x 23.59 mm (X x Y)
Character Size	6.52 x 10.51 mm (X x Y)
Character Pitch	8.03 mm
Line pitch	13.08 mm
Weight	About 119 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	Value
Highlight Function	
Font Magnification	
Horizontal scroll mode	
Blink ON/OFF	
Power save mode	
Screen saver	
Cursor, Underline ON/OFF	
User Font function	
etc.	