

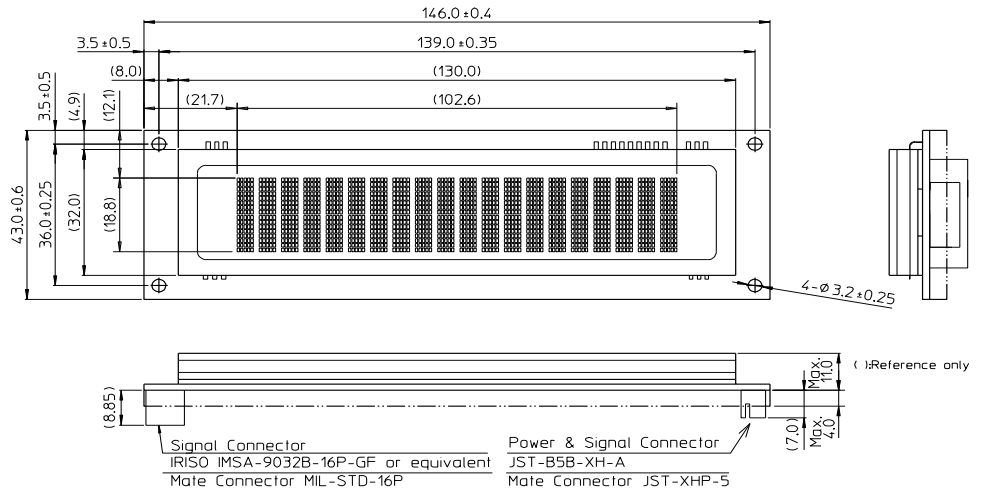
CU20029SCPB-W30A

SIMPLIFIED DATASHEET

■ Features

20 character, 2 line display character module. Character height 8.0mm provides slightly larger character display. No underscore. Built-in ASCII, katakana, and International fonts.

■ Outer 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.	Typ.	Max.	Unit	Condition
Input Voltage	H	VIH	0.8VCC	-	VCC	VDC
	L	VIL	0	-	0.3VCC	IOL=5mA
Output Voltage	H	VOH	VCC-1.5	-	-	IOH=-5mA
	L	VOL	-	-	1.5	IOL=5mA
Power Supply Current	Icc	-	460	560	mADC	All dots ON

■ Optical Characteristics

Parameter	Value
Luminance	350 cd/m ² Min.
Color of illumination	Green (Blue-Green)

■ Environmental Conditions

Parameter	Value
Operating Temperature	-40 ~ +85 degrees celsius
Storage Temperature	-40 ~ +85 degrees celsius
Operating Humidity	20 ~ 80% R.H. (non-condensing)
Vibration (Non operation)	10-55-10Hz, all amplitude 1mm, 30 minutes, X-Y-Z
Shock (non-operating)	980m/s ² (100G) 9ms X-Y-Z, 3 times each direction

■ Physical Specifications

Parameter	Value
Number of Char.	40 (20 characters x 2 lines)
Built-in Fonts	ANK, International Font
Character Format	5 x 8 dot matrix (8th line for under line)
Display Area	102.6 x 18.8 mm (X x Y)
Character Size	3.8 x 9.2 mm (X x Y)
Character Pitch	5.2 x 9.6 mm (X x Y)
Weight	About 75 g

■ Interface

Parallel, Asynchronous Serial (TTL)

■ Pin Assignment (Parallel / Serial)

Pin No	Signal	Pin No	Signal
1	D7	2	D6
3	D5	4	D4
5	D3	6	D2
7	D1	8	D0
9	WR	10	CS
11	SN/TO	12	BUSY
13	GND	14	GND
15	VCC	16	VCC

(Serial)

Pin No	Signal	Baud Rate Setting
1	VCC	19200bps
2	SN/TO	9600bps*
3	GND	4800bps
4	BUSY	2400bps
5	GND	1200bps
		600bps
		(*:factory default)

■ Functions

Parameter	Value
Auto initialized	Yes
Command Control	Yes
Blink speed control	Yes
Flicker less Mode / Quick Write Mode	Yes
etc.	