



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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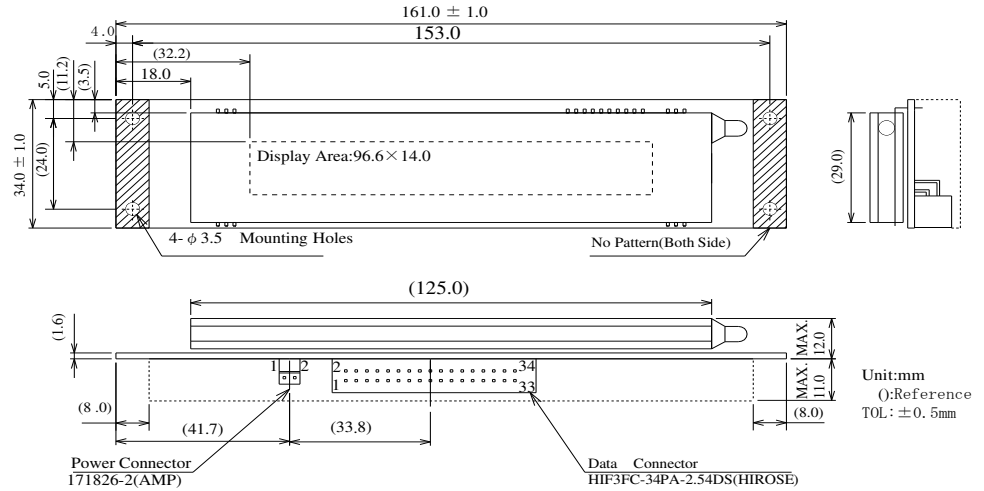
# CU20026SCP-B-T30A

## SIMPLIFIED DATASHEET

### ■ Features

20 character, 2 line display character module.  
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	2.0	-	VCC	VDC	-
	L	0	-	0.8	VDC	-
Output Voltage	H	VOH	3.5	-	-	IOH = -1mA
	L	VOL	-	-	0.4	IOL = 1.6mA
Power Supply Current	Icc	-	400	600	mADC	All dots ON

#### ■ Optical Characteristics

Parameter	Value
Luminance	500 cd/m <sup>2</sup> Min. (1000 cd/m <sup>2</sup> Typ.)
Color of illumination	Green (Blue-Green)

#### ■ Environmental Conditions

Parameter	Value
Operating Temperature	-20 ~ +70 degrees celsius
Storage Temperature	-40 ~ +85 degrees celsius
Operating Humidity	0 ~ 85% R.H. (non-condensing)
Storage Humidity	0 ~ 95% R.H. (non-condensing)
Vibration (Non operation)	10-55-10Hz, all amplitude 1mm, 30 minutes, X-Y-Z
Shock (non-operating)	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	ANK, International Font
Character Format	5 x 7 dot matrix & Under line
Display Area	96.6 x 14.0 mm (X x Y)
Character Size	3.5 x 5.0 mm (X x Y) without Under line
Character Pitch	4.9 x 8.0 mm (X x Y)

#### ■ Interface

Parallel, Asynchronous Serial (TTL)

#### ■ Pin Assignment (Parallel / Serial)

Pin No	Signal	Pin No	Signal
1	D7	2	GND
3	D6	4	GND
5	D5	6	GND
7	D4	8	GND
9	D3	10	GND
11	D2	12	GND
13	D1	14	GND
15	D0	16	GND
17	WR	18	GND
19	A0	20	GND
21	NC	22	GND
23	CS	24	GND
25	TO	26	GND
27	BUSY	28	GND
29	BL	30	GND
31	NC	32	GND
33	RXD	34	GND

Baud Rate Setting
9600bps*
4800bps
2400bps
1200bps
600bps
300bps
(*:factory default)

#### (Power)

Pin No	Signal
1	VCC
2	GND

#### ■ Functions

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

