



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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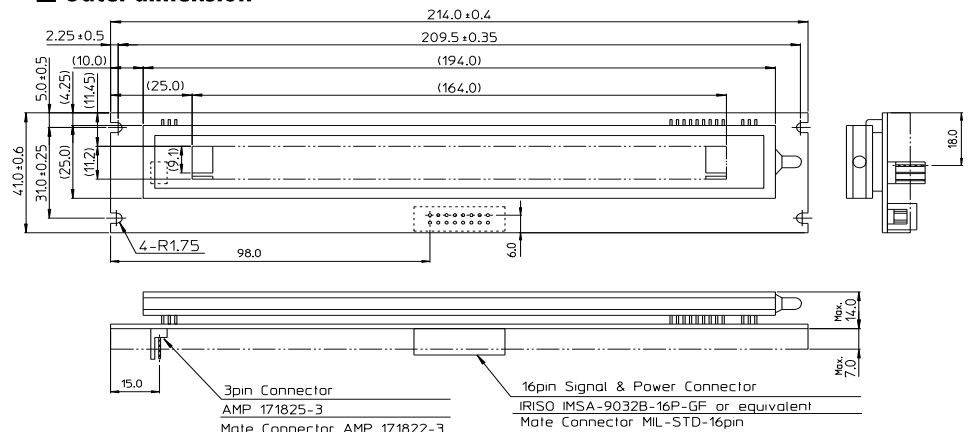
CU209-TW200A

SIMPLIFIED DATASHEET

Features

20 character x 1 line display character module.
Wide illuminating surface for enhanced visibility.

Outer dimension



():Reference Only
UNIT:mm

Get full specification



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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	Vcc=5.0V
L	VIL	0	-	0.3VCC		TA=25°C
Output Voltage						
H	VOH	VCC-1.5	-	-		IOH=-5mA
L	VOL	-	-	1.5		IOL=5mA
Power Supply Current	Icc	-	360	470	mADC	All dots ON

Optical Characteristics

Parameter	
Luminance	685 cd/m ² Min.
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)
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	
Number of Char.	20 (20 characters x 1 line)
Built-in Fonts	ANK, International Font
Character Format	5 x 7 dot matrix & Under line
Display Area	164.0 x 11.2 mm (X x Y)
Character Size	6.3 x 11.2 mm (X x Y)
Character Pitch	8.3 mm

Interface

Parallel, Asynchronous Serial (CMOS)

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	SIN/TO	12	BUSY
13	GND	14	GND
15	VCC	16	VCC

(Serial)

Pin No	Signal	Baud Rate Setting
1	VCC	19200bps*
2	SIN/TO	9600bps
3	GND	4800bps
		2400bps
		1200bps
		600bps

(*:factory default)

Functions

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