

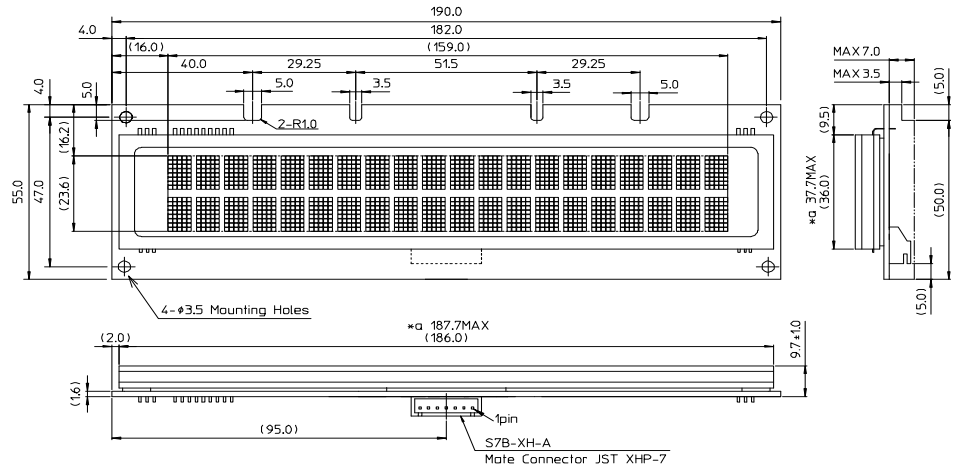
CU200211-TE200A

SIMPLIFIED DATASHEET

Features

20 character x 2 line character module.
 High-brightness display with built-in 5x8 dot font.
 Good for applications that mainly display characters, but don't need Asian font display.

Outer dimension



() REFERENCE ONLY
 Unit : mm
 Tolerance is 0.5mm unless stated otherwise.
 *a including extra frit glass

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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 (RXD,DSR)						
H	VIH1	3	-	15	VDC	-
L	VIL1	-15	-	-3	VDC	-
Output Voltage (TXD,DTR)						
H	VOH1	5	-	-	VDC	RL=3kΩ
L	VOL1	-	-	-5	VDC	
Signal Input Impedance (RXD,DSR)	RIN	3	-	7	kΩ	-
Input Voltage (TEST)						
H	VIH2	2.64	-	3.3	VDC	-
L	VIL2	0	-	0.66	VDC	-
Power Supply Current						
	Icc1	-	920	1150	mADC	All dots ON
	Icc2	-	620	780	mADC	All dots OFF
	Icc3	-	21	30	mADC	Disp. Power OFF

Optical Characteristics

Parameter	
Luminance	1000 cd/m ² Min. (2000 cd/m ² Typ.)
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)
Storage Humidity	20 ~ 80% R.H. (non-condensing)
Vibration (Non operation)	10-55-10Hz, all amplitude 1mm, 30 minutes, X-Y-Z
Shock (non-operating)	392m/s ² (40G) 9ms X-Y-Z, 3 times each direction

Physical Specifications

Parameter	*ANK(Alphabet, Numeric, Kana)
Number of Char.	40 (20 characters x 2 lines)
Built-in Fonts	ANK, International Font
Character Format	5 x 8 dot matrix
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 x 13.07 mm (X x Y)
Weight	About 118 g

Interface

Asynchronous Serial (RS232)

Pin Assignment

Pin No	Signal	Baud Rate Setting
1	RXD	9600bps
2	DTR	19200bps
3	DSR	38400bps*
4	TXD	115200bps
5	TEST	(*:factory default)
6	VCC	
7	GND	

Functions

Parameter	
2-byte Character	
Command Control	
FROM User Font Control	
FROM User Table Control	
International Font	
etc.	

