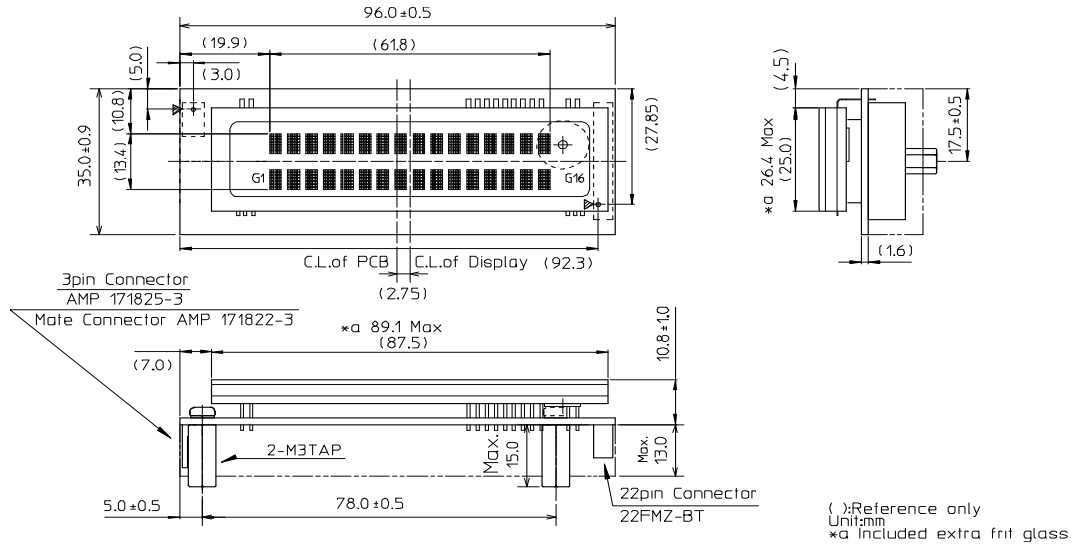


CU16025-TW200B SIMPLIFIED DATASHEET

■ Features

- Successor model of CU16025-TW200A
- Character VFD module
- 16 character x 2 line display
- 5V Supply
- Built-in ANK, International fonts
- Parallel, Asynchronous Serial interface
- Wide operating temperature range

■ 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 (D7-D0, WR, CS, SIN)	H	2.0	-	VCC	VDC	Vcc=5.0V TA=25°C	
	L	0	-	0.8	VDC		
	(RESET)						
	H	3.5	-	-	VDC		
L	VIL	-	-	1.5	VDC		
Output Voltage	H	VOH	2.4	-	-	IOH=-8mA	
	L	VOL	-	-	0.5	IOL=8mA	
Power Supply Current	Icc1	-	110	140	mADC	All dots ON	
	Icc2	-	100	130	mADC	All dots OFF	

■ 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	Note
Number of Char.	32 (16 characters x 2 lines)	*ANK (Alphabet, Numeric, Kana)
Built-in Fonts	ANK, International Font	
Character Format	5 x 7 dot matrix	
Display Area	61.8 x 13.4 mm (X x Y)	
Character Size	2.55 x 4.7 mm (X x Y)	
Character Pitch	3.95 x 8.7 mm (X x Y)	

■ Interface

Parallel, Asynchronous Serial (TTL)

■ Pin Assignment (Parallel / Serial)

Pin No.	Signal	Pin No.	Signal
1	D7	12	BUSY
2	D6	13	GND
3	D5	14	GND
4	D4	15	VCC
5	D3	16	VCC
6	D2	17	VCC
7	D1	18	GND
8	D0	19	GND
9	WR	20	GND
10	CS	21	GND
11	SIN/TO	22	RESET

(Serial)

Pin No.	Signal
1	VCC
2	SIN/TO
3	GND

■ Baud Rate Setting

- 19200bps (Default setting)
- 9600bps
- 4800bps
- 2400bps
- 1200bps
- 600bps

■ Functions

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

