Noritake itron

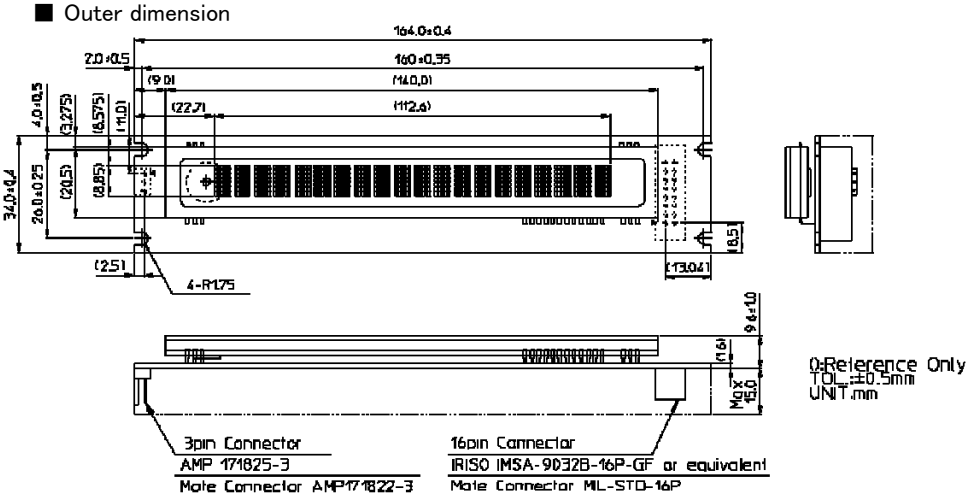
CU209-TW202A

SIMPLIFIED DATASHEET

■ Features

20 character x 1 line display, more compact character module.
No underscore. Built-in ASCII, katakana, and International fonts.

■ Outer dimension



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	2.0	–	VCC	VDC	Vcc=5.0V TA=25℃
L	VIL	0	–	0.8		
Output Voltage						
H	VOH	4.4	–	–		IOH=-2mA
L	VOL	–	–	0.5		IOL=2mA
Power Supply Current	Icc	–	240	320	mADC	All dots ON

■ Optical Characteristics

Parameter	
Luminance	350 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	*ANK(Alphabet, Numeric, Kana)
Number of Char.	20 (20 characters x 1 line)
Built-in Fonts	ANK, International Font
Character Format	5 x 7 dot matrix
Display Area	112.6 x 8.85 mm (X x Y)
Character Size	4.3 x 8.85 mm (X x Y)
Character Pitch	5.7 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
1	VCC
2	SIN/T0
3	GND

Baud Rate Setting
19200bps*
9600bps
4800bps
2400bps
1200bps
600bps

(*:factory default)

■ Functions

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

RoHS COMPLIANT

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