Noritake itron

GU256X32L-3900

SIMPLIFIED DATASHEET

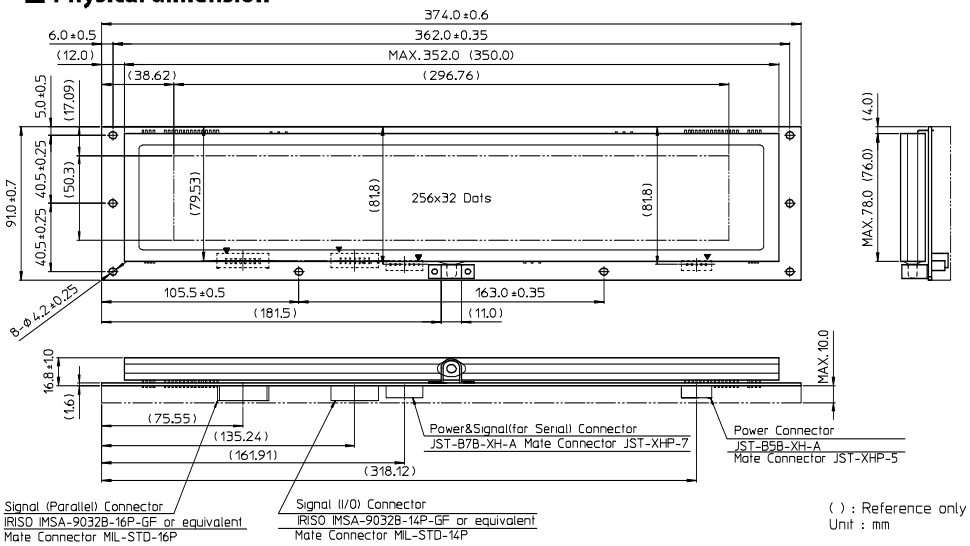
■ Features

Larger VFD for longer message display. Same character size as GU384X32L-3900B, in a more compact display.

Get full specification

Click here to go to request form.

■ Physical dimension



Specifications

■ Electrical Ratings

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Power supply voltage	VCC1	4.75	5.00	5.25	VDC	-
	VCC2	22.8	24.0	25.2	VDC	-

■ Electrical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Parallel IF						
Logic input current	IpIH	-	-	1.0	μADC	-
D0-D7,/WR	IpIL	-	-	-200	μADC	-
Logic input voltage	VpIH	0.8VCC1	-	VCC1	VDC	-
D0-D7,/WR	VpIL	0	-	0.2VCC1	VDC	-
Logic output voltage	VpOH	3.5	-	VCC1	VDC	IOH=-10μA
RDY	VpOL	0	-	0.6	VDC	IOL=4mA
RS-232 I/F						
Logic input voltage	VsIH	3	-	15	VDC	-
RXD, DSR	VsIL	-15	-	-3	VDC	-
Logic output voltage	VsOH	5	-	-	VDC	RL=3KΩ
RXD, DSR	VsOL	-	-	-5	VDC	
Logic input Impedance						
RXD, DSR	RsIN	3	-	7	KΩ	-
General-purpose I/O port						Abbreviation
Power Supply Current 1	ICC1	-	60	90	mADC	-
Power Supply Current 2	ICC2-1	-	480	670	mADC	All dots ON
	ICC2-2	-	370	520	mADC	All dots OFF
Power Consumption		-	11.8	16.5	W	All dots ON

■ Optical Specifications

Parameter	
Luminance	350 cd/m^2 Min. (700 cd/m^2 Typ.)
Color of illumination	Green (Blue-Green)

■ Environmental Specifications

Parameter	
Operating Temperature	-40 ~ +70 degrees celsius
Storage Temperature	-40 ~ +85 degrees celsius
Operating Humidity	20 ~ 80% R.H. (non-condensing)
Vibration (non-operating)	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	
Number of Dots	8,192 (256 x 32)
Display Area	296.76 mm x 50.3mm
Dot Size (X x Y)	0.96 mm x 1.32 mm
Dot Pitch (X x Y)	1.21 mm x 1.58 mm
Weight	About 746 g

■ Interface

Parallel(CMOS), Asynchronous Serial (RS232), I/O port

■ Pin Assignment

Pin No.	Signal	Pin No.	Signal
1	D7	2	D6
3	D5	4	D4
5	D3	6	D2
7	D1	8	D0
9	GND	10	/WR
11	GND	12	RDY
13	GND	14	GND
15	VCC1	16	VCC1

(Asynchronous Serial)

Pin No.	Signal	Baud Rate Setting
1	RXD	19200bps
2	DTR	38400bps*
3	DSR	(*:Default setting)
4	TXD	
5	TEST	
6	VCC1	
7	GND	

(Powr connecter)

Pin No.	Signal
1	VCC1
2	GND
3	VCC2
4	GND
5	TEST

(General-purpose I/O port:Abbreviation)

■Selectable Font

Parameter	*ANK(Alphabet, Numeric, Kana)
ANK	All Font Size
International	6 x 8 / 8 x 16 / 12 x 24 / 16 x 32 dot
2-byte character	16 x 16 dot
Character numbers	42 x 4 by 6 x8 ASCII
	16 x 2 by 16 x 16 dot 2-byte character
	16 x 1 by 16 x 32 dot ASCII

■ Functions

Parameter	
Variable Character display	Variable Action Commands
Scroll function	Line / BOX Draw
Display Power Auto ON/OFF	AND/OR/XOR Mixture display
User Windows function	Program Macro function
I/O Port Control Function	Graphic DMA mode
Bit image	
Variable stored settings	
etc.	

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