

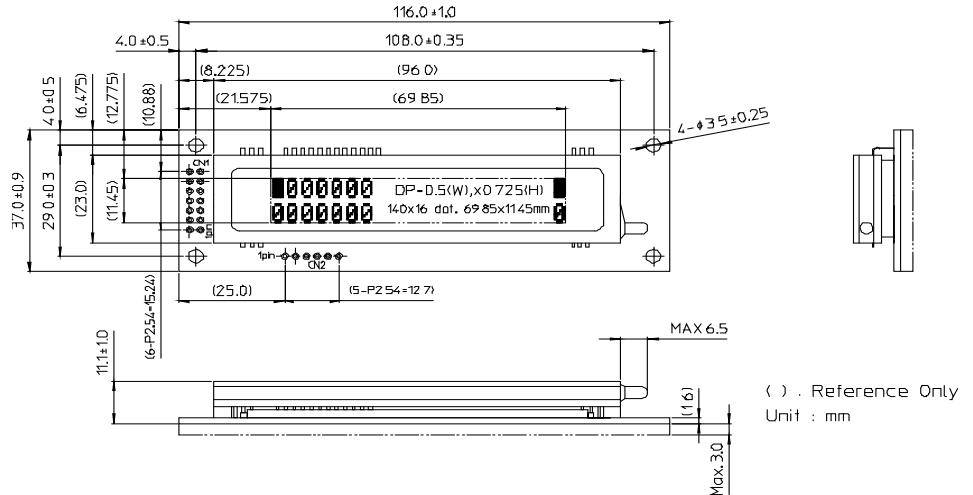
GU140X16G-7040A

SIMPLIFIED DATASHEET

■ Features

VFD module with same size and shape as LCD module. LED backlight models are also available, for additional display effect.

■ Physical dimension



Get full specification



Click here to go to request form.

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
'L' Logic Input Current D0-D7, /WR, /RD /RESET	IIL1 IIL2	-	-	-0.15 -0.6	mA	VIN=0V
'H' Logic Input Current D0-D7, /WR, /RD, /RESET	IiH	-	-	1.0	μADC	VIN=5V
Logic Input Voltage D0-D7, /WR, /RD, /RESET	VIH VIL	0.8VCC 0	-	VCC 0.2VCC	VDC	-
Logic Output Voltage D7(Busy flag), PBUSY	VOH VOL	3.8 0	-	VCC 0.6	VDC	IOH=-1.5mA IOL=1.6mA
Logic input resistance SIN	RIN	3	-	-	KΩ	-
Logic Input Voltage SIN	VIH VIL	3.0 -15	-	+15 0.5	VDC	-
Logic Output Voltage SBUSY	VOH VOL	4.0 0	-	VCC 0.5	VDC	RL=3KΩ
Power Supply Current 1	ICC-1	-	270	350	mADC	All dots ON
Power Supply Current 2	ICC-2	-	250	330	mADC	All dots OFF
Power Supply Current 3	ICC-3	-	35	45	mADC	Display power OFF
Power Supply Current 4 (LED Backlight ON)	ICC-4	-	340	440	mADC	All dots ON
Power Consumption (LED Backlight ON)		-	1.7	2.2	W	All dots ON

■ Optical Specifications

Parameter	Value
Number of Dots	2,240 (140 x 16)
Character numbers	20 x 2 / Max23 x 2 by 5 x 7 dot ANK
Display Area	69.85 mm x 11.45 mm
Dot Size (X x Y)	0.35 mm x 0.575 mm
Dot Pitch (X x Y)	0.50 mm x 0.725 mm
Luminance	350 cd/m ² Min. (700 cd/m ² Typ.)
Color of illumination	Green (Blue-Green)
Color of LED Backlight	Blue, Green, Red

■ Environmental Specifications

Parameter	Value
Operating Temperature	-30 ~ +40 degrees LED:ON -30 ~ +70 degrees LED:OFF
Storage Temperature	-40 ~ +85 degrees celsius
Operating Humidity	20 ~ 80% R.H. (non-condensing)
Storage 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

■ Character display

Parameter	Value
Character font type	5 x 7 ANK, International font
Character width	Fixed/Proportional character format 1&2
Attribution	Character magnify, Reverse
Weight	About 45 g

■ Interface

Parallel(CMOS), Asynchronous Serial (RS232)

■ Pin Assignment (Parallel)

Pin No.	Signal	Pin No.	Signal
1	GND	2	Vcc
3	NC	4	RS
5	/WR	6	/RD
7	D0	8	D1
9	D2	10	D3
11	D4	12	D5
13	D6	14	D7(PBUSY)

(Asynchronous Serial)

Pin No.	Signal	Baud Rate Setting
1	Vcc	9600bps
2	SIN	19200bps
3	GND	38400bps*
4	SBUSY	115200bps
5	NC	(*:Default setting)
6	/RESET	

■ Functions

Parameter	Value
Control command	
Scroll display action	
Display action command	
Proportional Font function	
User-Windows function	
AND/OR/XOR Mixture display	
Reverse display	
Bit image display	
Character download function	
LED backlight control	
etc.	



Leaflet contents, and specifications and external appearance of products, may change without notice.

Please confirm product details in the specification.

(C)Copyright NORITAKEITRON CORP.