



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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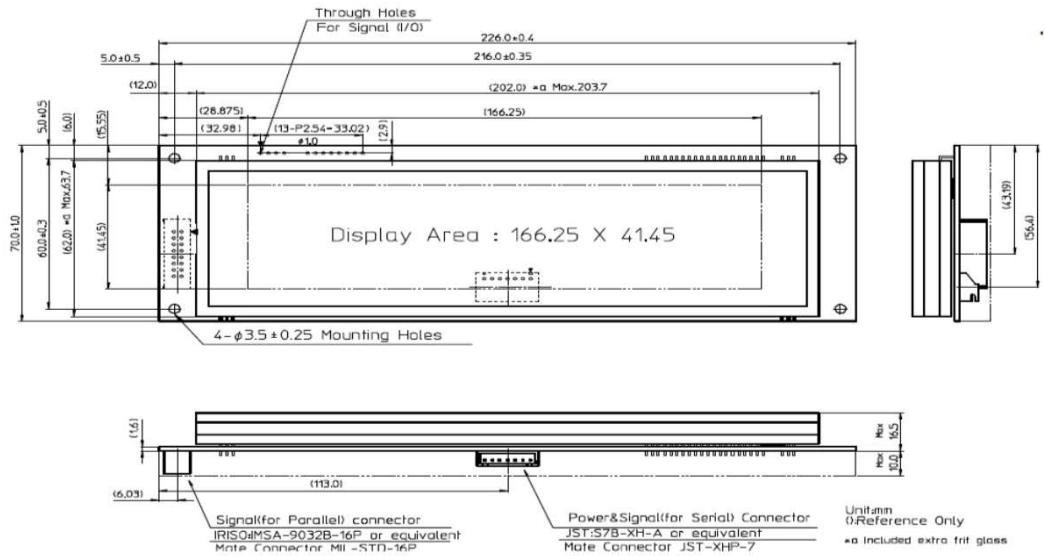
GU256X64F-3900B

SIMPLIFIED DATASHEET

■ Features

Uses the largest VFD in the 256x64 dot size.
High-visibility display area, approximately 2x that of GU256X64C

■ Physical dimension



Specifications

■ Electrical Ratings

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Power supply voltage	VCC	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	4.0	-	5.3	VDC	-
D0-D7,/WR	VpIL	0	-	1.0	VDC	-
Logic output voltage	VpOH		Open Collector (Output)			*1
RDY	VpOL	0	-	0.3	VDC	IOL=10mA
RS232 I/F						
Logic Input Voltage	VsIH	3	-	15	VDC	-
RXD, DSR	VsIL	-15	-	-3	VDC	-
Logic Output Voltage	VsOH	5	-	-	VDC	RL=3KΩ
TXD, DTR	VsOL	-	-	-5	VDC	-
Logic Input Impedance						
RXD, DSR	RsIN	3	-	7	KΩ	-
General-purpose I/O port						Abbreviation
Power Supply Current 1	ICC1	-	0.28	0.37	ADC	All dots ON
Power Supply Current 2	ICC2	-	0.23	0.3	ADC	All dots OFF
Power Supply Current 3		-	20	30	mADC	Display power OFF
Power Consumption	ICC2	-	6.7	8.9	W	All dots ON

*1) external pull-up (10 to 47KΩ) required

■ 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
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

■ Physical Specifications

Parameter	
Number of Dots	16,384 (256x64)
Display Area	166.25 mm x 41.45 mm
Dot Size (X x Y)	0.5 mm x 0.5 mm
Dot Pitch (X x Y)	0.65 mm x 0.65 mm
Weight	About 320 g

■ Interface

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

■ Pin Assignment (Parallel)

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	VCC	16	VCC

(Asynchronous Serial)

Pin No.	Signal	Baud Rate Setting
1	RXD	4800bps
2	DTR	9600bps
3	DSR	19200bps
4	TXD	38400bps*
5	TEST	57600bps
6	VCC	115200bps
7	GND	(*:Default setting)

(General-purpose I/O port: Abbreviation)

■ Selectable Font

Parameter	
ASCII, KANA	All Font Size
International	6 x 8 / 8 x 16 / 12 x 24 / 16 x 32 dot
2-byte character	16 x 16 dot
Japanese	32 x 32 dot
Character numbers	42 x 8 by 6 x 8 dot ASCII 21 x 2 by 12 x 24 dot ASCII 16 x 4 by 16 x 16 dot 2-byte character 8 x 2 by 32 x 32 dot Japanese

■ 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 by dot	
Variable stored setting	
etc.	



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