

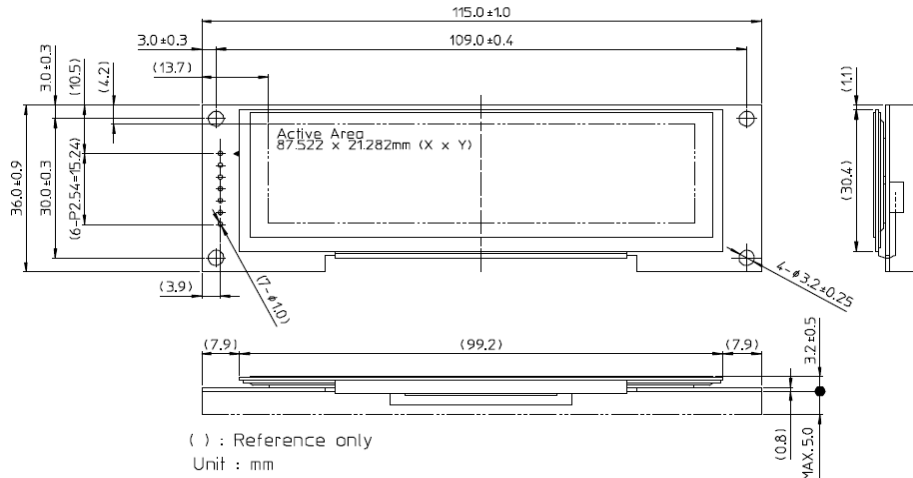
GE256X64C-7933B

SIMPLIFIED DATASHEET

■ Features

- Easy Implementation
- Sharp Graphics
- High Contrast
- Low Profile
- Single 3.3V DC Power Supply
- High Density

■ Physical Dimensions



Specifications

■ Electrical Ratings

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Power Supply Voltage	VCC	3.14	3.30	3.47	VDC	

■ Electrical Characteristics Ambient temp. = 25°C , VCC = 3.3V

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Async, Sync, SPI						
High Input Voltage	VIH	0.8VCC	-	VCC	V	
Low Input Voltage	VIL	0	-	0.2VCC	V	
High Input Current	I _{IH}	-	-	3.0	µA	VIN = 3.3V
Low Input Current	I _{IL}	-	-	-0.6	mA	VIN = 0V
High Output Voltage	V _{sOH}	2.4	-	VCC	V	IOH = -1.5mA
Low Output Voltage	V _{sOL}	0	-	0.6	V	IOL = 1.6mA

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Power Supply Current 1	ICC1	-	270	350	mADC	All dots on
Power Supply Current 2	ICC2	-	155	200	mADC	50% of dots on
Power Supply Current 3	ICC3	-	35	50	mADC	All dots off
Power Supply Current 4	ICC4	-	20	-	mADC	Power save mode
Power Consumption	Pwr	-	891	1155	mWatt	All dots on

■ Optical Specifications

Luminance	100 cd/m ² (Typical)	Condition : +25 °C
Lifetime *1	70,000 Hours *2	Condition : +25 °C

*1 The time for Luminance to decrease in half

*1 Lighting Ratio 30%

■ Environmental Specifications

Operating Temperature	-20 to +70 °C
Storage Temperature	-30 to +80 °C
Operating Humidity	20 to 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

■ Functions

- Control commands (backspace, horizontal tab, etc)
- Character display, graphic display, various display actions
- User definable fonts (16 characters)
- User windows function (screen can be divided into 4 windows and controlled independently)
- Screen rotation (180 degrees)
- Image data storage (FROM) *Can hold up to 256 screens.
- Dot unit control (image and character)

■ Physical Specifications

Number of Dots	16384 (256 x 64)
Display Area	87.522 mm x 21.282 mm (X x Y) *3.55inch
Pixel Size (X x Y)	0.312 mm x 0.303 mm (X x Y)
Pixel Pitch (X x Y)	0.342 mm x 0.333 mm (X x Y)
Weight	Approximately 25g

■ Selectable Font

ANK*	All (5x7, 8x16)
JIS Kanji	16x16 dot font
Chinese	16x16 dot font
Korean	16x16 dot font
Character Code	ASCII, one byte code page, JIS X208, Big-5, GB2312-80, KSC5601-87

*ANK (Alphabet, Numeric, Kana)

■ Interface

Asynchronous Serial, Synchronous Serial and SPI

Receive Buffer	255 bytes
Flow Control	SBUSY signal

Asynchronous Serial	Baud Rate	Selectable 9,600bps, 19,200bps, 38,400bps and 115,200bps
	Format	8-bit, No-parity, 1 Stop-bit
Synchronous Serial	Clock Speed	2MHz maximum
SPI	Clock Speed	2MHz maximum

■ Connectors

CN1: Serial interface and power through-holes
*Please refer to product specification for details.



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Please confirm product details in the specification.

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