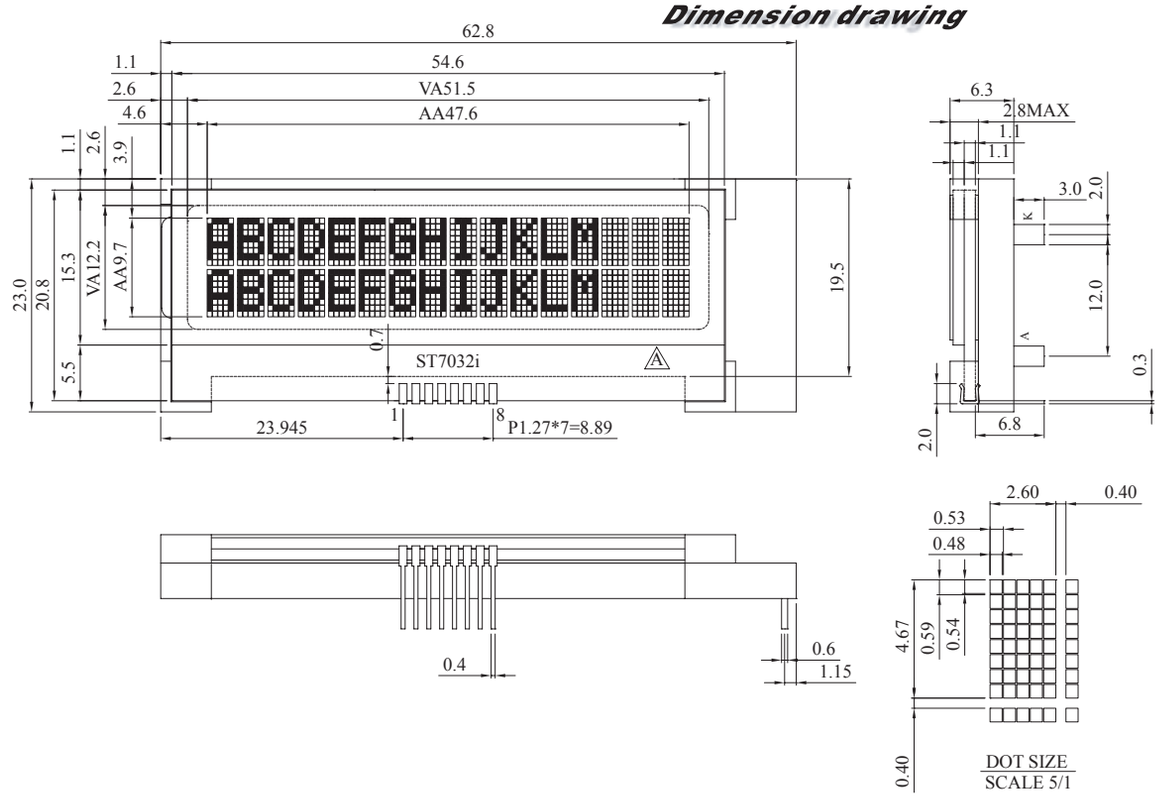
Dimension drawing



Feature

1. 16x2 dots includes cursor
2. Built-in controller ST7032
3. 3V/5V power supply
4. 1/16 duty cycle

Pin NO.	Symbol	Level	Description
1	VOUT		DC/DC voltage converter. Connect a capacitor between thisterminal and VIN when the built-in booster is used.
2	CAP1N		For voltage booster circuit(VDD-VSS)
3	CAP1P		External capacitor about 0.1u~4.7uf
4	VDD	3.0/5.0V	Power supply
5	VSS		GND
6	SDA		(In I2C interface DB7 (SDA) is input data. SDA and SCL must connect to I2C bus (I2C bus is to connect a resister between SDA/SCL and the power of I2C bus).
7	SCL		(In I2C interface DB6 (SCL) is clock input. SDA and SCL must connect to I2C bus (I2C bus is to connect a resister between SDA/SCL and the power of I2C bus).
8	RST		RESET

Mechanical Data

Item	Dimension	Unit
Module dimension	62.8 x 23.0	mm
Viewing area	51.5 x 12.2	mm
Dot Size	0.48 x 0.54	mm
Dot Pitch	0.53 x 0.59	mm

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	3	3.3	5	V
Input Voltage	VI	0	---	VDD	V

Note: VSS=0 Volt, VDD=3.0/5.0 Volt.

Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD-VSS	–	3.0	3.3	5.0(bon=1 max=3.5V)	V
Supply Current	IDD	VDD=3.0V/5.0V		0.18		mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-V0	-20°C	–	–	–	V
		25°C	–	4.5	–	
		+70°C	–	–	–	
LED Forward Voltage	VF	25°C	3.4	3.5	3.6	V
LED Forward Current	IF	25°C	28.8	32	50	mA