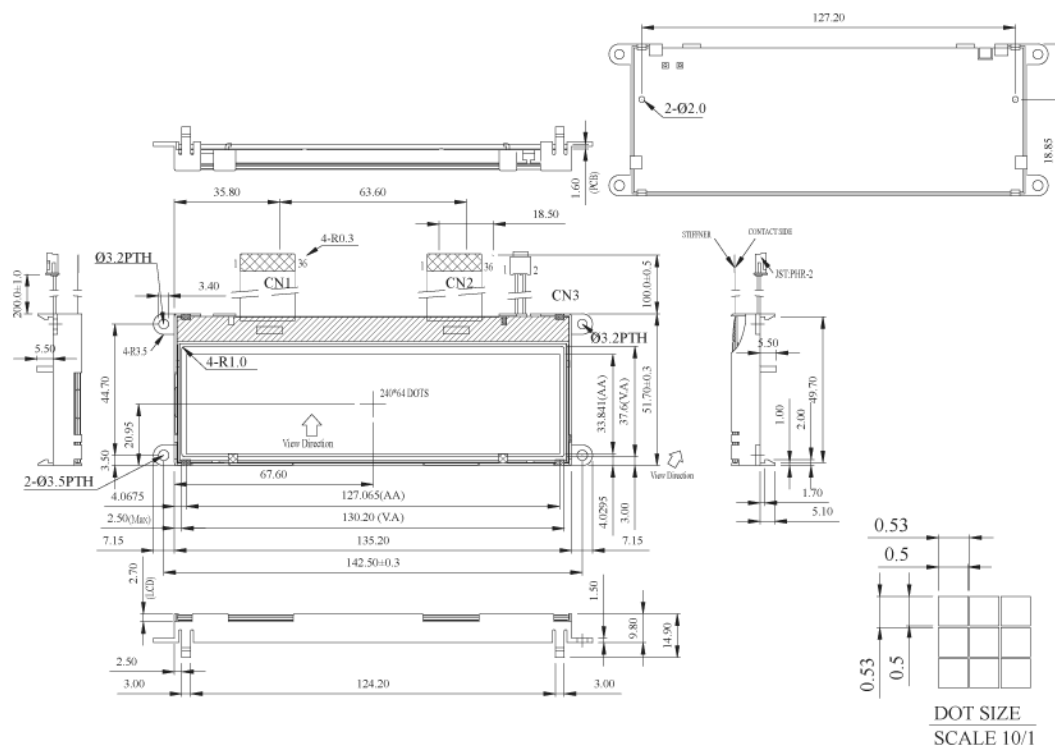


**Dimension drawing**Graphic
type**Feature**

1. Built-in controller sitronix (ST7565P-F3)
2. +3.3V power supply only
3. 1/65 duty cycle

Pin NO.	Symbol	Pin NO.	Symbol
1	NC	19	VDD
2	FR	20	VSS
3	CL	21	VOUT
4	/DOF	22	C3-
5	/CS1	23	C1+
6	/CS2	24	C1-
7	/RES	25	C2-
8	A0	26	C2+
9	/WR	27	V1
10	RD	28	V2
11	DB0	29	V3
12	DB1	30	V4
13	DB2	31	V5
14	DB3	32	VR
15	DB4	33	C86
16	DB5	34	P/S
17	DB6	35	NC
18	DB7	36	NC

Mechanical Data

Item	Standard Value	Unit
Module Dimension	142.5x51.7	mm
Viewing Area	130.2x37.6	mm
Dot Size	0.5x0.5	mm
Dot Pitch	0.53x0.53	mm

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	-0.3	3.3	5.0	V
Input Voltage	VI	VSS	---	VDD	V

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

Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	---	3.0	3.3	3.6	V
Supply Current	IDD	VDD=3.3V	281	337	338	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-V0	-20°C	---	---	---	V
		0°C	---	---	---	
		25°C	9.3	10.0	10.7	
		50°C	---	---	---	
LED Forward Voltage	VF	25°C	3.4	3.5	3.6	V
LED Forward Current	IF	25°C	80	101	150	mA