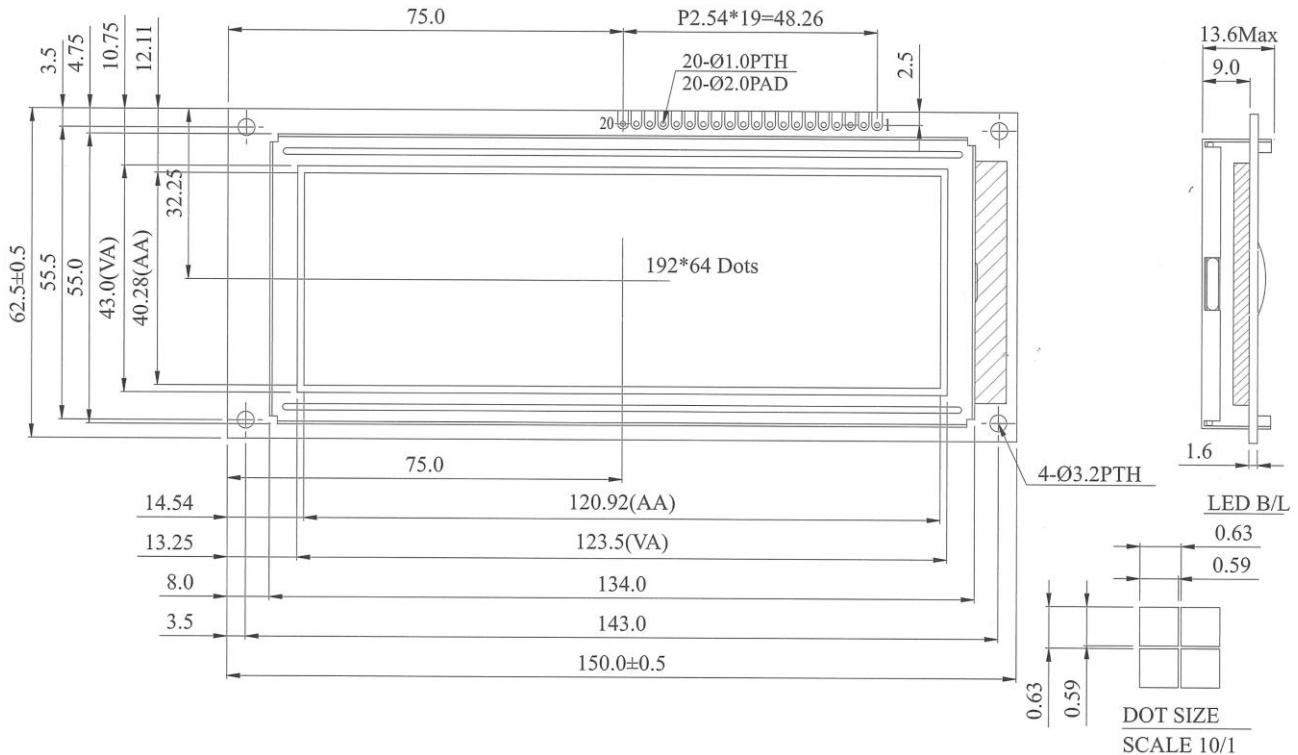


MSG19264E

Graphic 192x64 dots

GMS.

■ ■ ■ DISPLAY SYSTEMS



Feature		
1. Built-in controller (NT7107, NT7108 or equivalent)		
2. +5V Power supply		
3. 1/64 duty cycle		
Pin	Symbol	Function
1	Vss	GND
2	Vdd	Supply voltage for logic
3	Vo	Operating Voltage for LCD
4	R/S	H: Data / L: Instruction
5	R/W	H: read data / L: write data
6	E	Enable signal
7	DB0	Data bus line
8	DB1	Data bus line
9	DB2	Data bus line
10	DB3	Data bus line
11	DB4	Data bus line
12	DB5	Data bus line
13	DB6	Data bus line
14	DB7	Data bus line
15	/CS1	Chip select IC1
16	/RST	Reset signal
17	/CS2	Chip select IC2
18	/CS3	Chip select IC3
19	VEE	Negative Voltage output
20	A	Power supply for B/L (+)

Mechanical Data					
Item	Standard Value	Unit			
Module Dimension	150.0 x 62.5	mm			
Viewing Area	123.5 x 43.0	mm			
Dot Size	0.59 x 0.59	mm			
Dot Pitch	0.63 x 0.63	mm			
Absolute Maximum Rating					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Power Supply	Vdd - Vss	4.5	5.0	5.5	V
Input Voltage	Vi	0	---	Vdd	V
Note: Vss= 0 V, Vdd= 5.0 V					

Electronical Characteristics						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	Vdd		0.7Vdd	---	Vdd	V
Supply Current	Idd	Vdd=+5V	---	100	105	mA
Recommended LC Driving Voltage for normal Temperature Version module	Vo-Vss	-20°C	25	28	30	V
		0°C	---	---	---	
		25°C	22.5	23.0	23.5	
		50°C	---	---	---	
		70°C	20.0	20.6	21.2	
See Specification for Backlight information.						

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