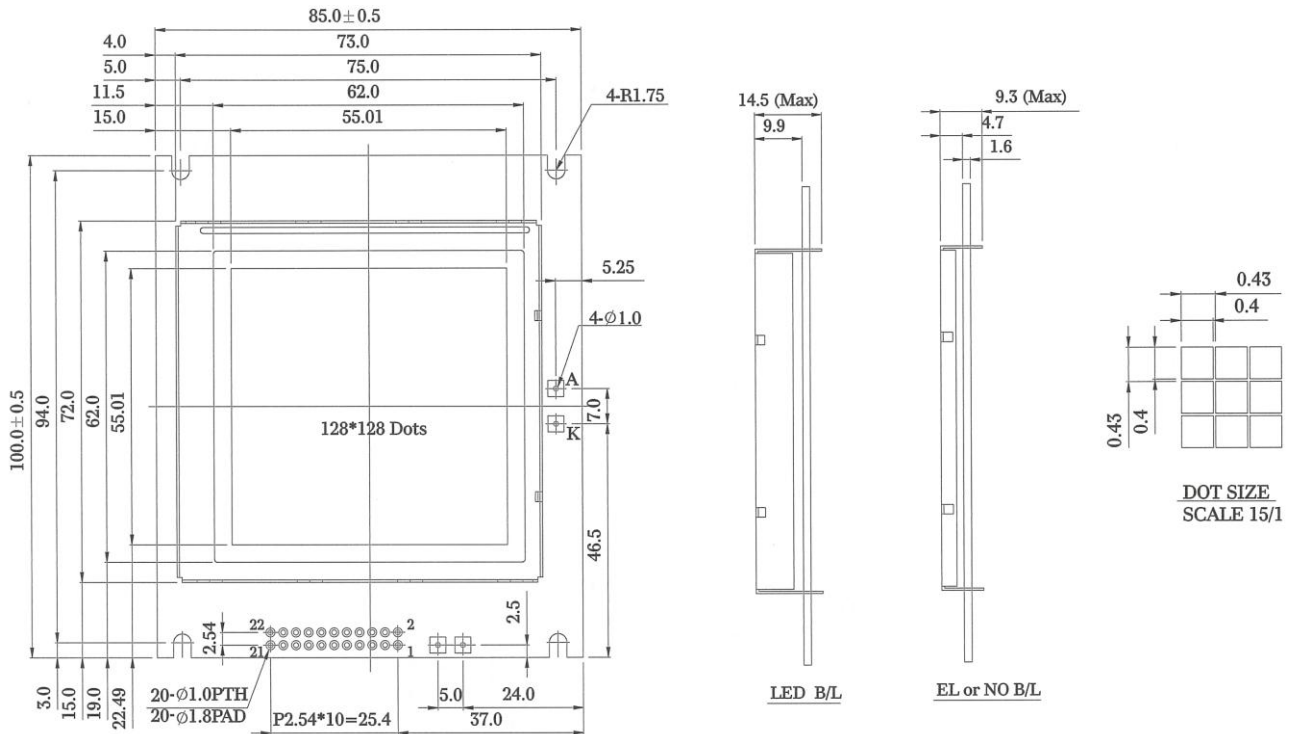


MSG128128A

Graphic 128x128 dots

GMS.

■ ■ ■ DISPLAY SYSTEMS



Feature		
1. Built-in controller RA6963		
2. 1/128 duty cycle		
3. N.V. optional		
4. +5V Power supply		
Pin	Symbol	Function
1	FGND	Frame Ground
2	GND	Power supply (GND)
3	Vdd	Power supply (+5V)
4	Vo	Contrast Adjustment
5	WR	Data write
6	RD	Data read
7	CE	Chip enable
8	C/D	Command / Data select
9	NC	No connection
10	RST	Reset signal
11	DB0	Data bus line
12	DB1	Data bus line
13	DB2	Data bus line
14	DB3	Data bus line
15	DB4	Data bus line
16	DB5	Data bus line
17	DB6	Data bus line
18	DB7	Data bus line
19	FS	Font selection
20	NC / Vee	NC / Negative Voltage output
21	A	Power supply for LED B/L (+)
22	K	Power supply for LED B/L (-)

Mechanical Data					
Item	Standard Value	Unit			
Module Dimension	85.0 x 100.0	mm			
Viewing Area	62.0 x 62.0	mm			
Mounting Hole	75.0 x 94.0	mm			
Dot Pitch	0.43 x 0.43	mm			
Absolute Maximum Rating					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Power Supply	Vdd - Vss	4.75	5.0	5.25	V
Input Voltage	Vi	-0.3	---	Vdd	V

Note: Vss= 0 V, Vdd=5.0 V

Electronical Characteristics						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	Vdd	L level	0.7Vdd	---	Vdd	V
	Vio	H level	0	---	0.3Vdd	
Supply Current	Idd	Vdd=5V	---	1.5	---	mA
Recommended LC Driving Voltage for normal Temperature Version module	Vdd-Vo	-20°C	---	18.0	---	V
		0°C	---	17.5	---	
		25°C	---	17.0	---	
		50°C	---	16.0	---	
		70°C	---	15.5	---	

See Specification for Backlight information.

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