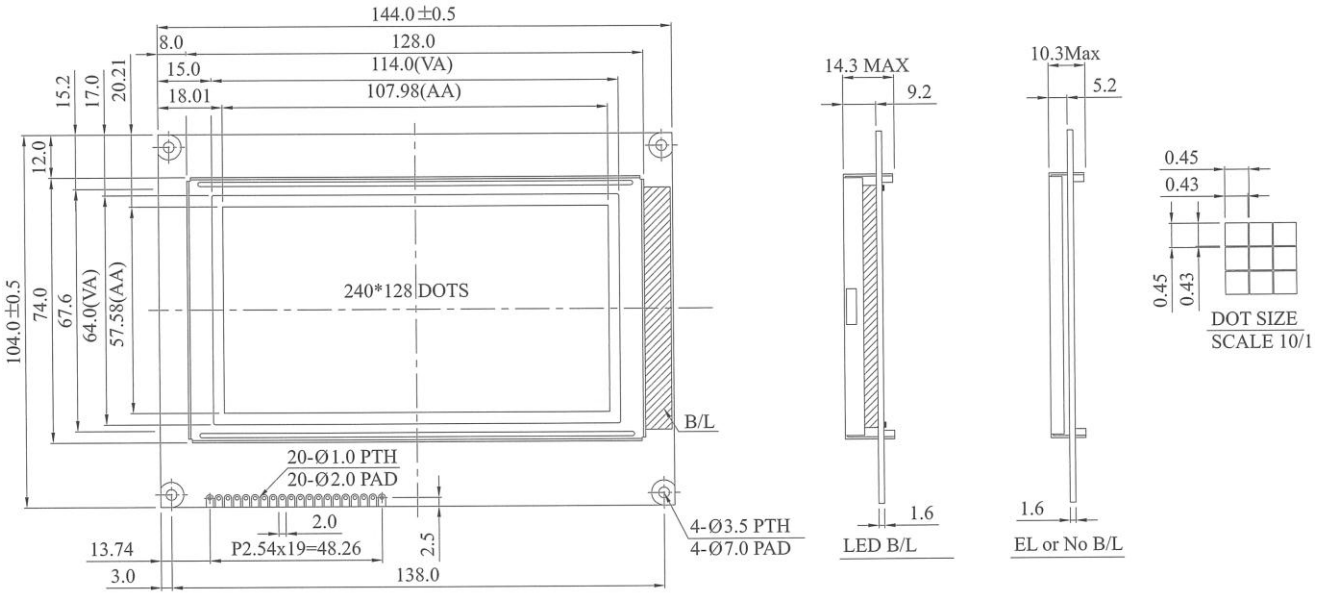
MSG240128B

Graphic 240x128 dots

GMS. DISPLAY SYSTEMS



Feature		
1. Built-in controller RA6963		
2. 1/128 duty cycle		
3. Built-in N.V.		
4. Temperature compensation (optional)		
Pin	**Symbol**	**Function**
1	Vss	Power supply (GND)
2	Vdd	Power supply (+5V)
3	Vo	Power supply for LCD driving
4	C/D	Command / data read/write
5	**RD**	Data read
6	**WR**	Data write
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	**CE**	Chip enable
16	**RESET**	Reset signal
17	Vee	Negative Voltage
18	MD2	Control signal
19	FS1	Font selection
20	NC	No connection

Mechanical Data		
Item	**Standard Value**	**Unit**
Module Dimension	144.0 x 104.0	mm
Viewing Area	114.0 x 64.0	mm
Mounting Hole	138.0 x 97.0	mm
Dot Size	0.43 x 0.43	mm
Dot Pitch	0.45 x 0.45	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	0.7_{Vdd}	---	Vdd	V
	Vio	H level	---	---	0.3_{Vdd}	V
Supply Current	Idd	Vdd=5V	0	55	60	mA
Recommended LC Driving Voltage for Normal Temperature Version module	Vdd-V0	0℃	20.3	21.4	22.5	V
		25℃	18.0	19.1	20.2	
		50℃	17.8	18.9	20.0	
See Specification for Backlight information.						

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