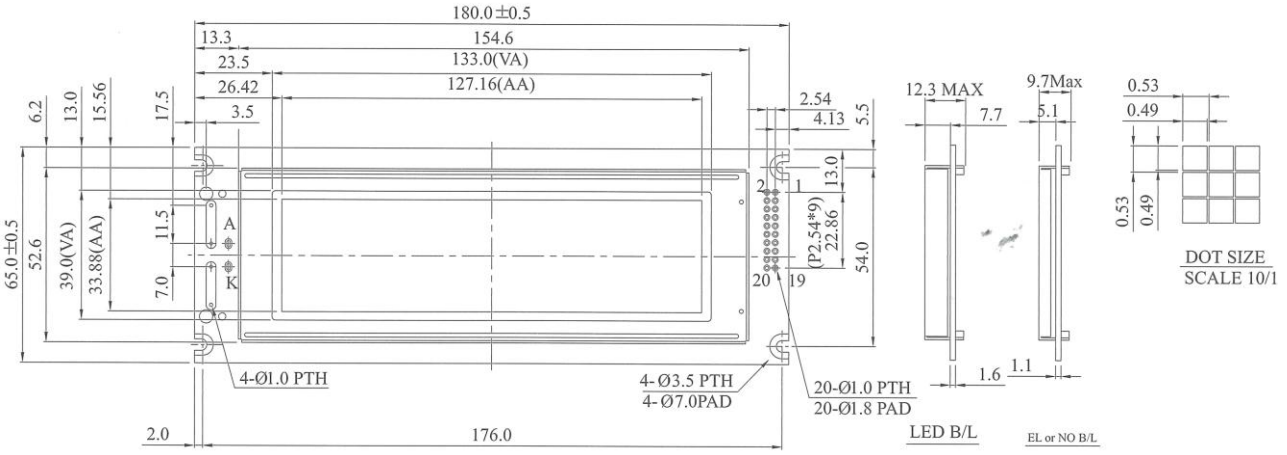
MSG24064A

Graphic 240x64 dots

GMS. DISPLAY SYSTEMS



Feature
1. Built-in controller RA6963
2. +5V Power supply
3. 1/64 duty cycle
4. Built-in N.V.

Pin	Symbol	Function	
1	FG	Frame Ground	
2	Vss	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 read / write	
9	Vee	Negative voltage output	
10	**Reset**	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	FS="H", 6x8 character font
			FS="L", 8x8 character font
20	NC	No connection	

Mechanical Data		
Item	**Standard Value**	**Unit**
Module Dimension	180.0 x 65.0	mm
Viewing Area	133.0 x 39.0	mm
Mounting Hole	176.0 x 54.0	mm
Dot Size	0.49 x 0.49	mm
Dot Pitch	0.53 x 0.53	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	---	18.5	21.0	mA
Recommended LC Driving Voltage for normal Temperature Version module	Vdd-Vo	-20℃	13.0	13.5	14.1	V
		0℃	12.5	13.1	13.7	
		25℃	12.1	12.7	13.3	
		50℃	11.1	12.2	13.0	
		70℃	9.1	11.6	12.8	
See Specification for Backlight information.						

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