

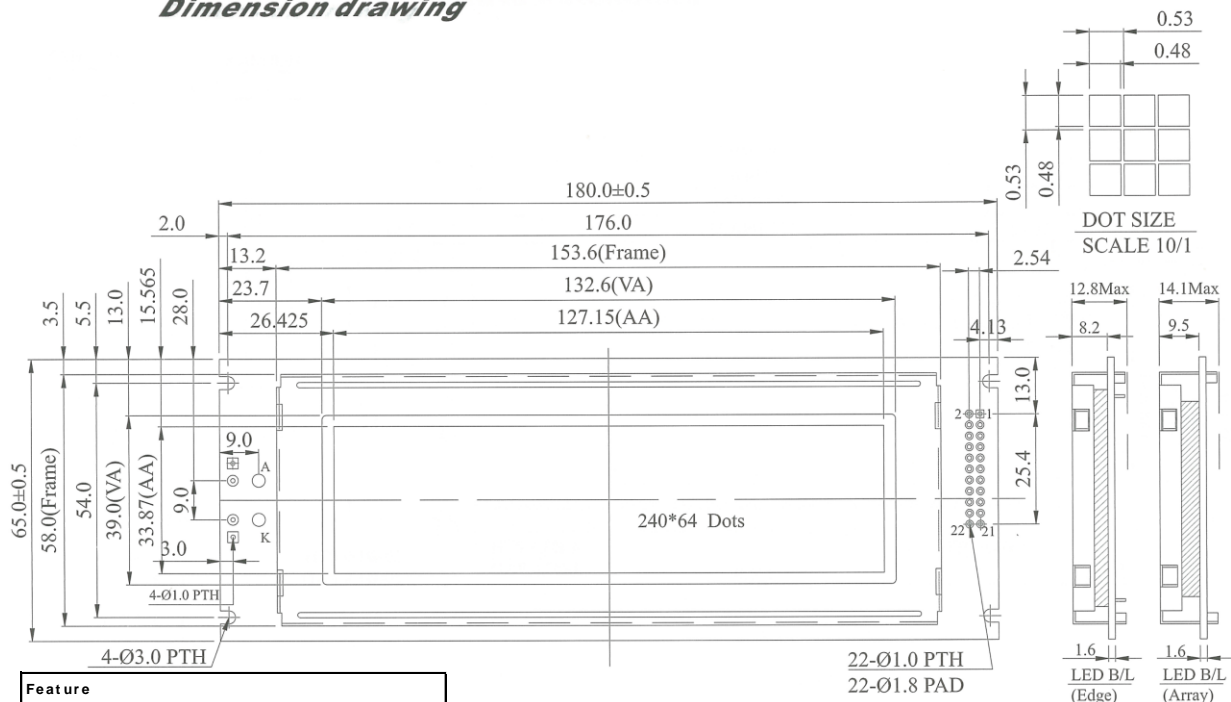
MSG24064J

Graphic 240x64 dots

GMS.

■ ■ ■ DISPLAY SYSTEMS

Dimension drawing



Feature		
1. Built-in controller RA6963		
2. +5V Power supply		
3. 1/64 duty cycle		
4. Built-in N.V.		
5. LED Edge B/L: 2.1V/ Optional Array B/L: 4.2V		
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 busline
12	DB1	Data busline
13	DB2	Data busline
14	DB3	Data busline
15	DB4	Data busline
16	DB5	Data busline
17	DB6	Data busline
18	DB7	Data busline
19	FS	Font selection
		Font selection
20	NC	No connection
21	A	Power Supply for B/L (+)
22	K	Power Supply for B/L (-)

Mechanical Data					
Item	Standard Value	Unit			
Module Dimension	180.0 x 65.0	mm			
Viewing Area	132.6 x 39.0	mm			
Mounting Hole	176.0 x 54.0	mm			
Dot Size	0.48 x 0.48	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					

Electrical Characteristics						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	Vdd	L level	---	5.0	---	V
Supply Current	Idd	Vdd=+5V	---	17.3	---	mA
Recommended LC Driving Voltage for normal Temperature Version module	Vdd-Vo	-20°C	---	---	---	V
		25°C	---	14.6	---	
		70°C	---	---	---	
See Specification for Backlight information.						

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