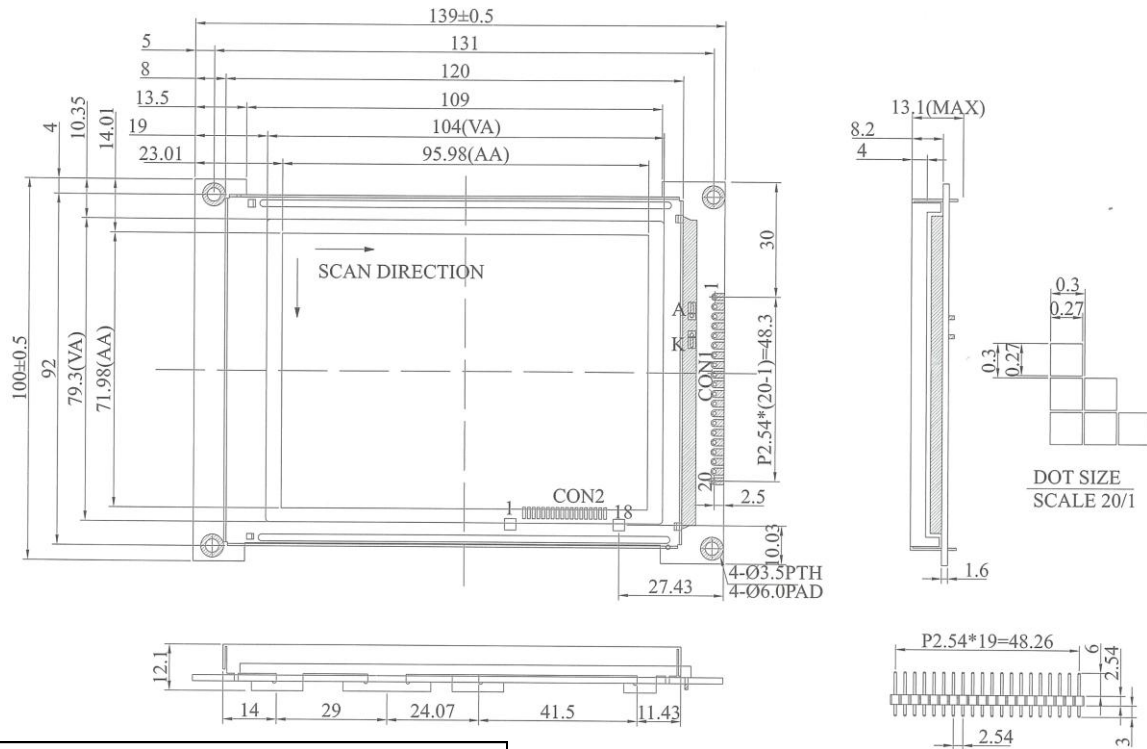


MSG3202400

Graphic 320x240 dots

GMS.

■ ■ ■ DISPLAY SYSTEMS



Feature		
1. Built-in RA8835 controller		
2. 1/240 duty cycle		
3. Touch Screen option		
4. +5V Power supply		
5. MSG320240N: without controller		
6. MSG320240P: Equal between screw hole and center		
Pin	Symbol	Function
1	GND	Ground
2	Vcc	Supply voltage for logic
3	Vo	Driving voltage for LCD
4	WR	8080 family: write signal, 6800 family: R/W signal
5	RD	8080 family: read signal, 6800 family: enable clock
6	CS	Chip select, Active L
7	Ao	Data type select
8	RES	Controller reset signal Active L
9	DB0	Data bus line
10	DB1	Data bus line
11	DB2	Data bus line
12	DB3	Data bus line
13	DB4	Data bus line
14	DB5	Data bus line
15	DB6	Data bus line
16	DB7	Data bus line
17	NC	NC
18	Vee	Negative voltage output
19	A	Power supply for B/L +
20	K	Power supply for B/L -

Mechanical Data					
Item	Standard Value	Unit			
Module Dimension	139.0 x 100.0	mm			
Viewing Area	104.0 x 79.3	mm			
Mounting Hole	131.0 x 92.0	mm			
Dot Size	0.27 x 0.27	mm			
Dot Pitch	0.30 x 0.30	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+0.3	V
Note: Vss=0 V, Vdd=5.0 V					

Electronical Characteristics						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	Vdd	---	---	5.0	5.5	V
Supply Current	Idd	Vdd=5V	52.2	52.4	52.8	mA
Recommended LC Driving Voltage for Normal Temperature Version module	Vdd-V0	-20°C	---	---	26.1	V
		-0°C	---	---	---	
		25°C	---	23.8	---	
		70°C	20.9	---	---	
See Specification for Backlight information.						

© 2011 GMS mbH. Errors and omissions excepted.