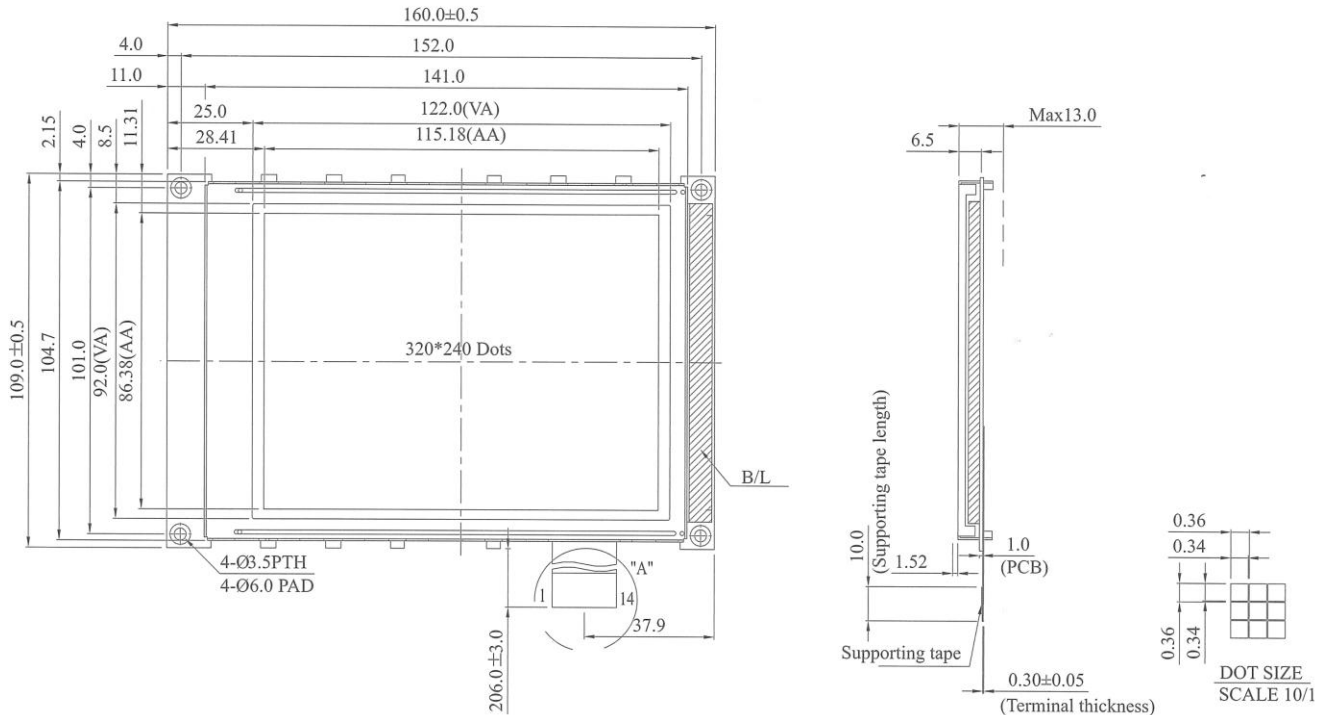


# MSG320240A

Graphic 320x240 dots

# GMS.

■ ■ ■ DISPLAY SYSTEMS



Feature		
1. 320 x 240 dots		
2. +5V Power supply		
3. 1/240 duty cycle		
4. No controller		
5. Touch Screen option (analog type)		
Pin	Symbol	Function
1	DB0	Data bus line
2	DB1	Data bus line
3	DB2	Data bus line
4	DB3	Data bus line
5	DISPOFF	Hton L:off
6	Frame	First line marker
7	M (NC)	Frame reverse signal (alternate signal)
8	LP	Data latch
9	CP	Data shift
10	Vdd	Power supply for logic
11	Vss	GND
12	Vee	Power supply for LCD
13	Vo	Operating Voltage LCD driving
14	FGND	Frame Ground

Mechanical Data					
Item	Standard Value	Unit			
Module Dimension	166.8 x 109.0	mm			
Viewing Area	122.0 x 92.0	mm			
Mounting Hole	152.0 x 101.0	mm			
Dot Size	0.34 x 0.34	mm			
Dot Pitch	0.36 x 0.36	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	---	2.7	---	5.5	V
Supply Current	Idd	Vdd=5V	---	7.5	---	mA
Recommended LC Driving Voltage for Normal Temperature Version module	Vdd-V0	0°C	---	---	26.1	V
		25°C	---	23.8	---	
		50°C	20.9	---	---	

See Specification for Backlight information.

© 2011 GMS mbH. Errors and omissions excepted.

info@gms-ds.de  
www.gms-ds.de

1 / 1

Richthofenstr. 3  
78048 VS-Villingen  
Germany