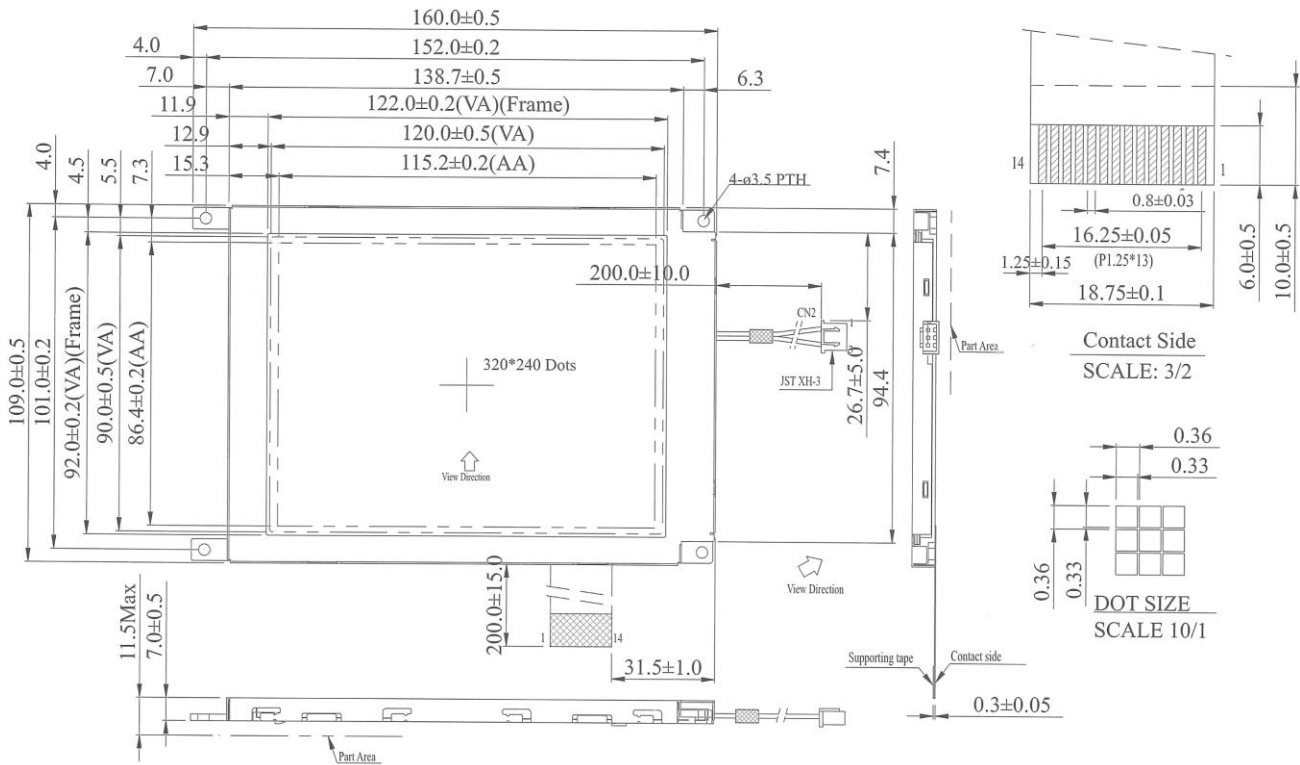


# M5O320240A/B

Graphic COG 320x240

# GMS.

■ ■ ■ DISPLAY SYSTEMS



Feature		
1. 320x240 dots		
2. MSO320240A: No controller		
3. MSO320240B: RA8835 Controller		
4. 1/240 duty		
5. ±3.0 - 5.0V power supply		
Pin	Symbol	Description
1	D0	Display data signal
2	D1	Display data signal
3	D2	Display data signal
4	D3	Display data signal
5	DISPOFF	H: On / L: Off
6	FRAME	Scan start-up signal
7	NC	No connection
8	LOAD	Input data latch signal
9	CP	Data input clock signal
10	Vdd	Power supply for logic
11	Vss	Signal ground
12	Vee	Power supply for LCD
13	V0	LCD contrast adjust voltage
14	NC	No connection
15	A	LED +
16	NC	No connection
17	K	LED -

Mechanical Data					
Item	Standard Value	Unit			
Module Dimension	160.0 x 109.0	mm			
Viewing Area	120.0 x 90.0	mm			
Dot Size	0.33 x 0.36	mm			
Dot Pitch	0.36 x 0.36	mm			
Absolute Maximum Rating					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Power Supply	Vdd - Vss	2.75	5.0	5.25	V
Input Voltage	Vi	-0.3	---	Vdd+0.3V	V

Note: Vss=0 V, Vdd=5.0 V

Electronical Characteristics						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	Vdd	---	0.7Vdd	---	Vdd	V
Supply Current	Idd	Vdd=5.0V	---	100	105	mA
Recommended LC Driving Voltage for normal Temperature Version module	Vo-Vss	-20°C	25.0	26.0	27.0	V
		25°C	22.5	23.0	23.5	
		70°C	20.0	20.6	21.2	

See Specification for Backlight information.

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