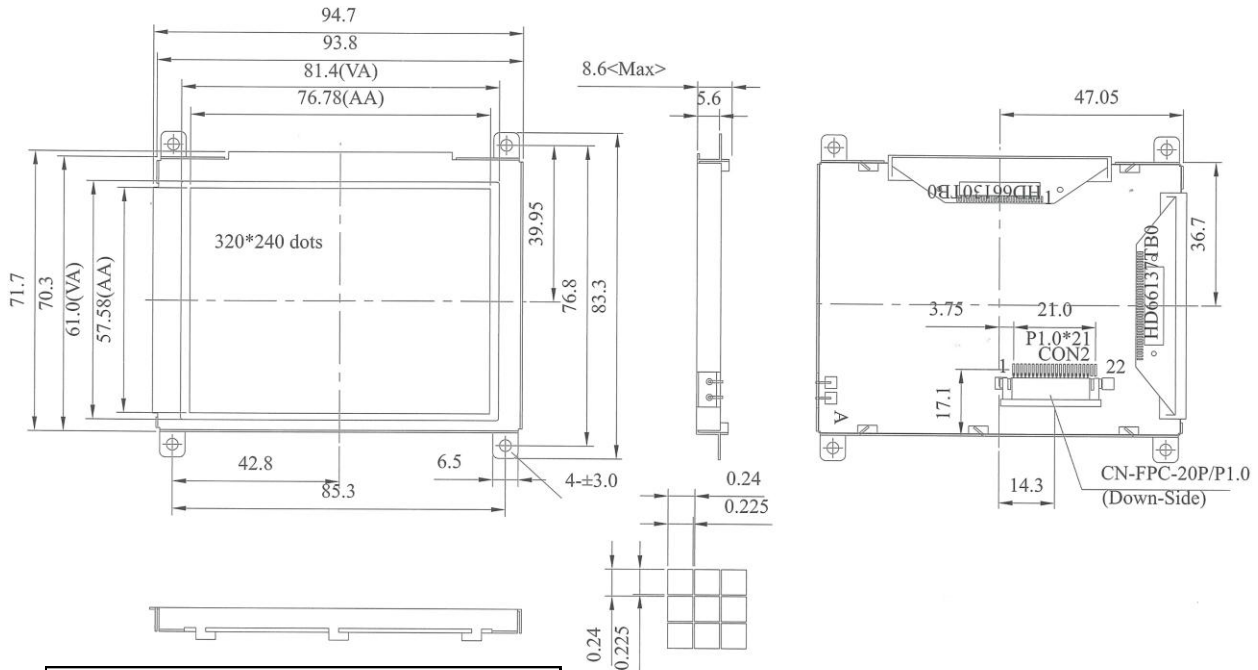


# MSX320240D

Graphic TAB 320x240

# GMS.

■ ■ ■ DISPLAY SYSTEMS



Feature		
1. Built-in RA8835 and SRAM		
2. Built-in positive voltage output		
3. 1/240 duty cycle		
4. Touch screen (option)		
5. +3.3V (also available for 5V)		
6. MSX320240H: Chinese Version (RA8806)		
Pin	Symbol	Function
1	Vss	GND
2	Vdd	Power supply for logic
3	Vo	Contrast Adjustment
4	Ao	H: Data L: Instruction
5	WR	8080 family: Write signal, 6800 family: R/W signal
6	RD	8080 family: Read signal, 6800 family: Enable clock
7	DB0	Data bus line
8	DB1	Data bus line
9	DB2	Data bus line
10	DB3	Data bus line
11	DB4	Data bus line
12	DB5	Data bus line
13	DB6	Data bus line
14	DB7	Data bus line
15	CS	Chip enable
16	RES	Reset
17	Vee	Positive Voltage output
18	SEL1	8080 or 6800 interface select 1=68 0=80
19	A	Power supply for B/L (+)
20	K	Power supply for B/L (-)
21	NC	No connection
22	NC	No connection

Mechanical Data					
Item	Standard Value	Unit			
Module Dimension	94.7 x 71.7	mm			
Viewing Area	81.4 x 61.0	mm			
Mounting Hole	85.3 x 83.3	mm			
Dot Size	0.225 x 0.225	mm			
Dot Pitch	0.24 x 0.24	mm			
Absolute Maximum Rating					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Power Supply	Vdd - Vss	3.0	3.3	3.5	V
Input Voltage	Vi	---	---	Vdd	V

Electronical Characteristics						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	Vdd	L level	0	---	0.2Vdd	V
	Vio	H level	0.5Vdd	---	Vdd	V
Supply Current	Idd	Vdd=3.5V	---	33	---	mA
Recommended LC Driving Voltage for normal Temperature Version module	Vo-Vss	-20°C	---	---	---	V
		0°C	---	---	---	
		25°C	---	18.7	---	
		50°C	---	---	---	
		70°C	---	---	---	

See Specification for Backlight information.

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