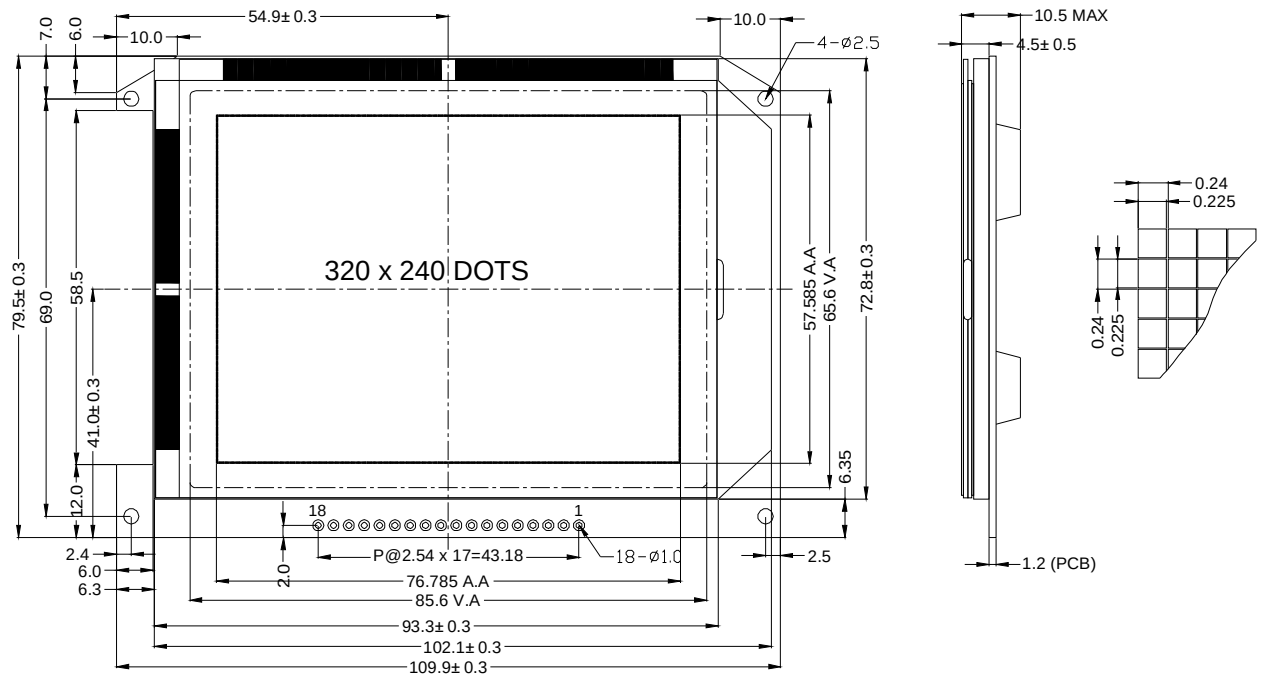
石家庄冠晶电子科技有限公司

GJ320240B

320 x 240 dots + white LED backlight



ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	VDD-VSS	-0.3	7.0	V
Supply Voltage(LCD)	VDD-VO	-0.3	30.0	V
Input Voltage	VI	-0.3	VDD+0.3	V
Operating Temp.	Topr	-20	70	℃
Storage Temp.	Tstg	-30	80	℃

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size(W x H x T)	109.9 x 79.5 x 10.5	mm
Viewing Area(W x H)	85.6 x 65.6	mm
Dot Pitch(W x H)	0.24 x 0.24	mm
Dot Size(W x H)	0.225 x 0.225	mm
Weight	Approx. 100	g

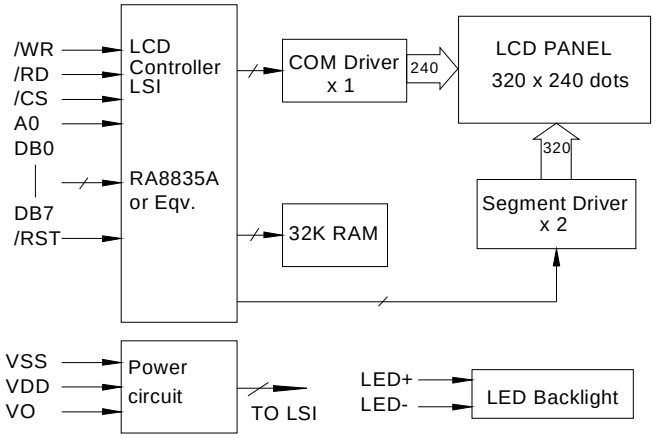
ELECTRICAL CHARACTERITICS (VDD=5V±5%)

Item	Symbol	TEST Condition	Min.	Typ.	Max.	Unit
Input High Voltage	VIH	--	0.5VDD	--	VDD	V
Input Low Voltage	VIL	--	0	--	0.2VDD	V
Output High Voltage	VOH	IOH=4.0mA	VDD-0.4	--	--	V
Output Low Voltage	VOL	IOL=-2.0mA	--	--	0.4	V
Supply Current	IDD	VDD=5.0v	--	25	50	mA
LCD Driving Voltage	VO-VSS	Ta=25℃	--	22.2	--	V

PIN CONNECTIONS

PIN	Symbol	Level	Function
1	VSS	0V	GND
2	VDD	+5V	Power supply for logic
3	VO	--	Contrast adjusting
4	/WR	H/L	8080 MPU: Write signal
5	/RD	H,H→L	8080 MPU: Read signal
6	/CS	L	Chip enable singal, active "L"
7	A0	H/L	Data type selection
8	/RST	L	Reset signal, active "L"
9	DB0	H/L	Data bus line
10	DB1	H/L	
11	DB2	H/L	
12	DB3	H/L	
13	DB4	H/L	
14	DB5	H/L	
15	DB6	H/L	
16	DB7	H/L	
17	LED+	+5V	Power supply for LED backlight
18	LED-	0V	

BLOCK DIAGRAM



LED BACKLIGHT SPECIFICATIONS(Ta=25℃)

Item	Symbol	Typ.	Max.	Unit
Forward Voltage	Vf	3.1	3.3	V
Forward Current	If	90	--	mA
LED Color	White			

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